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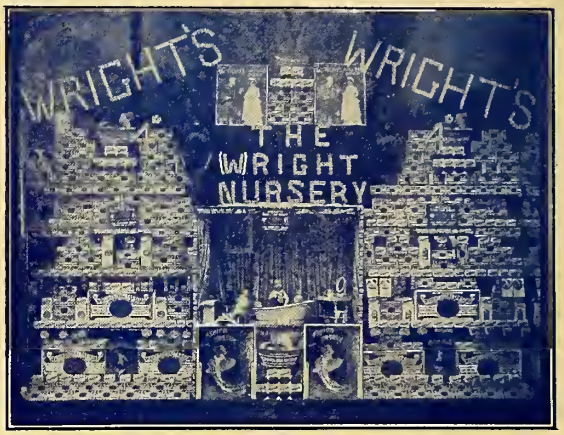

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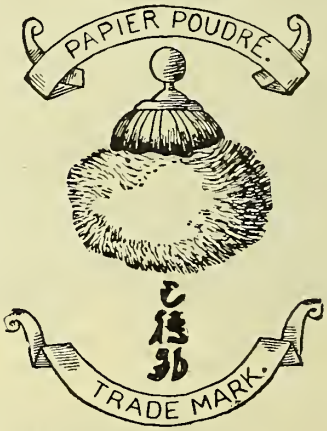

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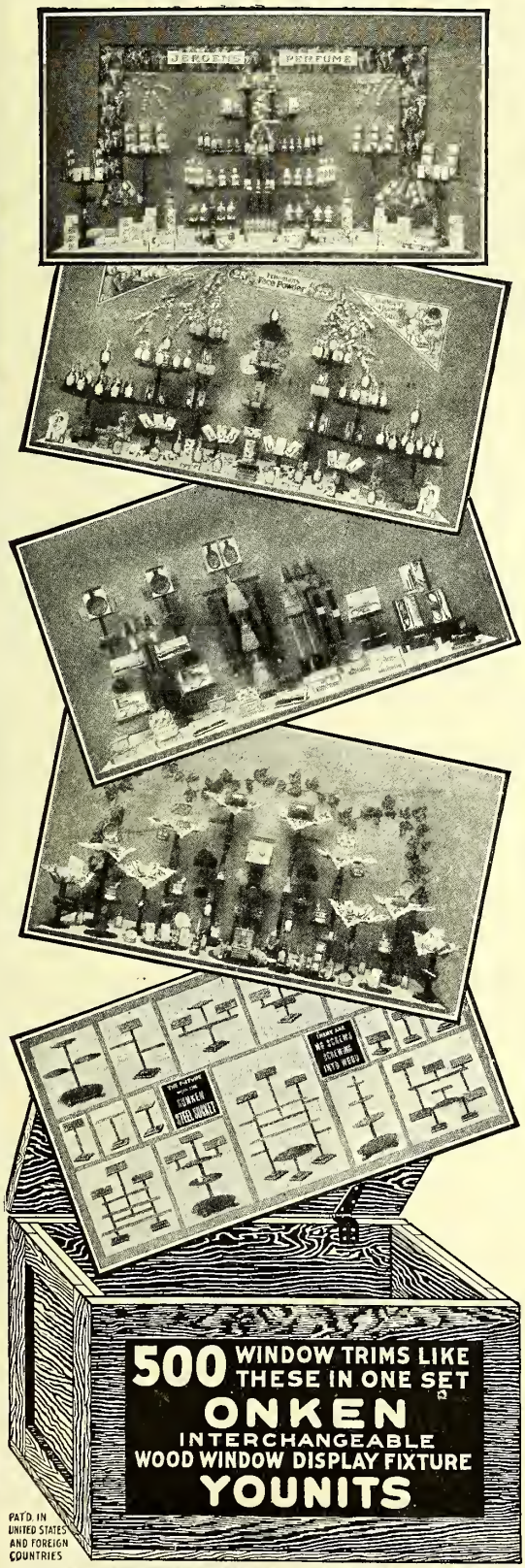

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May & Baker, Ltd.

Dairy Specialities
Fullwood, R. J., & Bland
Oldfield, Pattinson & Co.
Tomlinson & Hayward, Ltd.

Dental Mechanics
Fentiman, A. G.
Fentiman, A. J., & Co.
Halder, E. C.
Templar Malins, Ltd.
Wardale & Co.

Developers (Photo.)
Evans Sons Lescher & Webb
Express Developing Co.

Dextrin
Fink, F., & Co.

Diabetic Foods
Van Abbott, G., & Sons,

Dentifrices
Beecham, T.
Bell (John), Hills & Lucas, Ld.
Berton, Arthur, Ltd.
Blackie, Robert
Christy, T., & Co.
Cook, E., & Co., Ltd.
Cox, Arthur H., & Co., Ltd
Eucryl, Ltd.
Gosnell, John, & Co., Ltd.
McKesson & Robbins
Maw, S., Son & Sons
Odol Chemical Works
Parke, Davis & Co.
Sangers
Standard Tablet & Pill Co., Ld.
Woolley, J., Sons & Co., Ltd.

Diamidophenol
Greeff, R. W., & Co.

Digestive Products
Armour & Co., Ltd.
Fairchild Bros. & Foster

Disinfectants
Baiss Bros. & Stevenson, Ltd
Burgoyne, Burbidges & Co.
Burt, Boulton & Haywood, Ld
Condy & Mitchell, Ltd.
Cook, E., & Co., Ltd.
Cooper, Wm., & Nephews
Harker, Stagg & Morgan, Ltd.
Jeyes' Sanitary Compds. Ltd
Reichwald, A., Ltd.
Sanitas Co., Ltd.
Southall Bros. & Barclay, Ltd.
Standardised Disinfectants Co., Ltd.
Stevenson, H. E., & Co.
Willows, Francis, B. & T., Ltd.
Wright, Layman & Umney, Ld.

Douches, Rubber
Goodrich, B. F., Co.

Druggists' Sundries
Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd.
Berton, Arthur, Ltd.
Brook, Parker & Co., Ltd.
Brytstele Manfg. Co.
Burge, Warren & Ridgley, Ld.
Burgoyne, Burbidges & Co.
Bush, H. W., & Co., Ltd.
Edwards, W., & Son
Evans Sons Lescher & Webb, Ld
Hovenden, R., & Sons, Ltd.
Longcroft, H. M.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Newbery, F., & Sons, Ltd.
Qnelch, H. C. & Co.,
Sangers
Schutze, F., & Co., Ltd.
Solport Bros.
Southall Bros. & Barclay, Ltd
Swales, Thomas
Toogood, W., Ltd.
Woolley, J., Sons & Co., Ltd.

Drugs, Crude
Burkett, Sharp & Co.
Gathergood's Exor.
Goodall, Backhouse & Co.
Lambert, Saml., & Co.
Penick, S. B., & Co.
Potter & Clarke, Ltd.
Raimes & Co.
Salle, H., & Co.

Eau de Cologne
Bronnley, H., & Co., Ltd.
Bush, W. J., & Co., Ltd.
Christy, Thos., & Co.
Erasmic Co., Ltd.
Gosnell, John, & Co., Ltd.
Lescol Perfumery Co.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Sangers
Schutze, F., & Co., Ltd.
Vinolia Co., Ltd.

Educational Institutions
Bath & West of England College
Birmingham and Midland College
British Optical Institute College of Preceptors
Fit's College
Liverpool School of Pharmacy
London College of Pharmacy
Northern College of Pharmacy
School of Pharmacy
South of England College
Westminster College

Effervescent Preparations
Allen & Hanburys, Ltd.
Evans Sons Lescher & Webb, Ld.

Elastic Gum Insts.
Mason Bros. & Chapman

Elastic Hosiery
Ayrton, Saunders & Co., Ltd.
Bailey, W. H., & Son
Burge, Warren & Ridgley, Ld.
Haywood, J. H., Ltd.
Maw, S., Son & Sons
Wood, Vincent

Elect. Novelties
Ward & Goldstone
Wright, Archd. J., Ltd.

Electroplated Toilet Goods
Scott, Adolph

Emery and Cloth
Oakey, J., & Sons, Ltd.

Emetine Salts
Macfarlan, J. F., & Co.
Whiffen & Sons, Ltd

Emulsifiers
Bennett, Sons & Shears, Ltd.
Wilkinson, S. W., & Co.

Emulsions, C.L.O., &c.
Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, Robert
Browning, Wm., & Co.
Cupal, Ltd.
Faulding, F. H., & Co.
Parke, Davis & Co.
Scott & Bowne, Ltd.
Stevenson, H. E., & Co.
Wyleys, Ltd.

Enamelled Hospital Requisites
Orme, Evans & Co., Ltd.

Endolytic Tubes
Fletcher. Fletcher & Co. Ltd

Enemas
Burge, Warren & Ridgley, Ltd.
Ingram, J. G., & Son
Maw, S., Son & Sons
Warne, W., & Co., Ltd.

Epsom Salts
Blythe, Wm., & Co., Ltd.
Howards & Sons, Ltd.
May & Baker, Ltd.

Essences, Sol. and Fruit
Alliance Drug & Chem.
Barnett & Foster
Boake Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Hay, Wm., Ltd.
London Essence Co.
Stevenson & Howell, Ltd

Ethers
Baiss Bros. & Stevenson, Ltd.
Duncan, Flockhart & Co.
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
White, A., & Sons

Eucalyptus Oil
British Drug Houses, Ltd., The
Stevenson, H. E., & Co.
Tasmanian Eucalyptus Oil Co.

Evaporators
Forshaw, E., & Son, Ltd.

Extract of Herbs
Newball & Mason
Potter & Clarke, Ltd.

Extracts (Medicinal)
Allen, Stafford, & Sons, Ltd.
Burroughs Wellcome & Co.
Evans Sons Lescher & Webb, Ld.
Gathergood's Exor.
Hewlett, C. J., & Son, Ltd.
Parke, Davis & Co.
Ransom, W. & Son, Ltd.

Factory, &c., Sites
Great Western Railway

Feeding Bottles
Bush, H. W., & Co., Ltd.
Maw, S., Son & Sons
Schutze, F., & Co., Ltd.

Filling Machines
Forgrove Machinery Co., Ltd.
Jackson, J. G., Ltd.
Roberts Pat. Filling Mach Co.

Filter Papers
Ford, T. B., Ltd.

Filters
British Pasteur-Chamberland Filter Co.
Fulham Pottery & Cheavin Filter Co., Ltd.

Finger Stalls
Solport Bros.

Flycatchers
Alabastine Co. (British) Ltd.
Ford, Shapland & Co.
Kay Bros., Ltd.
Smith, Jno. H., & Co.
Strong, Christy

Foods, Invalid, &c.
Allen & Hanburys, Ltd.
Bell (John), Hills & Lucas, Ltd.
Benger's Food, Ltd.
Brand & Co., Ltd.
British Casein Co. (1911), Ltd.
British Milk Products Co., Ld
Colman, J. & J., Ltd.
Deans, Logan & Co., Ltd.
Fairchild Bros. & Foster
Frame Food Co.
Harker, Stagg & Morgan, Ltd
Horlick's Malted Milk Co.
Lorimer, John
Lofthouse & Saltmer, Ltd.
Natural Food Co., Ltd.
Plasmon, Ltd.
Reade Bros. & Co., Ltd.
Sister Lauras Infant Food Co.
Southall Bros. & Barclay, Ltd
Wander, A., Ltd.
Willows, Francis, B. & T., Ltd.
Woolley, Jas., Sons & Co., Ltd.
Wulfing, A., & Co.

Foot Appliances
Scholl Mnfg. Co., Ltd.

Fountain Pens
Sloan, L. G.

Fruit Drink
McGlashan, D.

Fuller's Earth
Mumford, G. S., & Sons

Fumigators
Sanitas Co., Ltd.

Gallic Acid
Mallinckrodt Chem. Works

Gauzes
Bailey, R., & Son

Glassware, Chemical
Lang, Jules, & Son

Glycerin
Price's Patent Candle Co., Ltd.

Glycerophosphates
Monsanto Chemical Works
Reitmeyer Calburn & Kindersley, Ltd.

Grease Paints
Hovenden, R. & Sons Ltd.
Osborne, Garrett & Co.
Quelch, Henry C., & Co.

Grease Remover
Perkin & Co., Ltd.

Grinders, Drug, &c.
Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse, & Co.
Willows, Francis, B. & T., Ltd.

Gripe Water
Woodward, W., Ltd.

Gums
Fink, F., & Co.
Kidston, W. M., & Co.
Lambert Saml., & Co.

Hair Dyes
Harker, C.R., Stagg & Morgan
Blackie, Robert

Hair Preparations
Alexandre, L.
Anzora Perfumery Co.
Blackie, Robert
Edwards' "Harlene" Co.
Osborne, Garrett & Co.
Sangers
Tokalon Ltd.

Hand Carts, Trucks, &c.
Crewe & Co.
Turner, J.

Hat Cleaners
Cox, Arthur H., & Co., Ltd.
Milner's Chemical Co.
Senier, Alf., & Co.

Hat Dyes
Whitaker & Co.

Herbs
Potter & Clarke, Ltd.
Salle, H., & Co.

Hexamethylentetramine
Reitmeyer Calburn & Kindersley, Ltd.

Homœopathic Medicines
Ashton & Parsons, Ltd.
Keene & Ashwell, Ltd.
Leath & Ross

Honey
Western Honey Co.

Horse Remedies
Harvey & Co. (Dublin), Ltd.

Hospital Furniture
Gray & Selby

Hospital Ware (Semi-porcelain)
Meinecke & Co.

Hot Air Douches
Ward & Goldstone

Hotels
Kingsley Hotel
Thackeray Hotel

Hot Water Bottles
Bailey, W. H., & Son
Berton, Arthur, Ltd.
Burge, Warren & Ridgley, Ltd.
Galen Manfg. Co., Ltd.
Goodrich, B. F., Co.
Ingram, J. G., & Son
Maw, S., Son & Sons
Schutze, F., & Co., Ltd.
Toogood, William, Ltd.
Warne, Wm., & Co., Ltd.
Wood, Vincent

Hot Water Bottle Stoppers
Rowe, T. Wilfrid

Hydrogen Peroxide
May & Baker, Ltd.
Sanitas Co., Ltd.
Tyrer, T., & Co. Ltd.

Hypophosphites
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

Ink, Dichroic
Bewley & Draper, Ltd.

Insecticides
Christy, T., & Co.
Cook, E., & Co., Ltd.

Insect Powder
Keating, Thoma
Potter & Clarke, Ltd.
Raimes & Co.

Iodides
Tyrer, T., & Co., Ltd.

Japanese White Earth
Smith, P. L.

Junket Powder
Armour & Co., Ltd.

Lanolines
Christy, T., & Co.
Hillcrest Oil Co., Ltd.
Howard Lloyd & Co., Ltd.

Lard
Ewen, J., & Sons

Lavender Oil
Allen, Stafford, & Sons, Ltd.
Guillevic, E., & Co.
Ransom, W., & Son, Ltd.

Lavender Water
Bush, W. J., & Co., Ltd.
Gosnell, John, & Co., Ltd.

Leeches
Allen & Hanburys, Ltd.

Ligatures
Seabury & Johnson

Lime Juice and Cordial
Evans Sons Lescher & Webb, Ld
Idris & Co., Ltd.

Linseed, Crushed
Mumford, G. S., & Sons

Lints
Liverpool Lint Co.
Maw, S., Son & Sons
Robinson & Sons, Ltd.

Liquorice Juice
Boehm, F., Ltd.
Jackson, Ernest, & Co.
Solazzi

Liquors, Conc.
Fletcher, Fletcher & Co.

Lithia Salts
British Drug Houses, Ld., The
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.

Loofahs
Hall Forster & Co., Ltd.
Internl. Sponge Importers, Ld
Solport Bros.

Lozenges
Denoual, Jules, & Co.
Guest, Thos., & Co.
Jackson, Ernest, & Co.
Potter & Clarke, Ltd.
Raimes & Co.
Warrick Bros., Ltd.

Lysols
Aerators, Ltd.
Burt, Boulton & Haywood, Ld
Evans Sons Lescher & Webb, Ld
Lorimer, John
Zimmermann, C. & Co (Chemicals), Ltd.

Machinery, Pharmacal
Allen & Hanburys, Ltd.
Bennett, Sons & Shears, Ltd.
Blair, Campbell & McLean, Ld.
Forgrove Machinery Co., Ltd.
Gardner, Wm., & Sons, Ltd.
Griffin, John J., & Sons, Ltd.
Jackson, J. G., Ltd.
Pindar, J. W., & Co.
Stokes, F. J., Machine Co.
Thompson & Capper, Ltd.
Wilkinson, S. W., & Co.

Magnesia and Preps.
Henry, T. & W.
Howards & Sons, Ltd.
International Chem. Co., Ld.
Phillips, Chas. H., Chem. Co.
Washington Chemical Co., Ld.

Malt Extract and Preps.
Allen & Hanburys, Ltd.
Blackie, Robert
British Drug Houses, Ld., The
Burroughs Wellcome & Co.
Calder, James, & Co., Ltd.
Corbyn, Stacey & Co., Ltd.
Davies, Sons & Co.
Evans Sons Lescher & Webb, Ld
Fletcher, Fletcher & Co., Ltd.
May, Roberts & Co., Ltd.
Paine & Co., Ltd.
Pascall, James, Ltd.
Wander, A., Ltd.
Wyleys, Ltd.

Marking Ink
John Bond ('Crystal Palace')

Measures, Graduated
Bush, H. W., & Co., Ltd.

Meat Extracts
Armour & Co., Ltd.
Brand & Co., Ltd.
Tooth's Extract of Meat Co.

Medical Coils
Ward & Goldstone

Mercurials
Alliance Drug & Chemical Co.
Howards & Sons, Ltd.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

Metal Clips
Griffin, John J., & Sons, Ltd.

Methylarsenates
Roques, Ferdinand

Methylated Spirit
Burrough, J., Ltd.
Preston's Liverpool Distillery
Randall & Son, Ltd. [Co., Ld.
Riddell & Smith
Thornley, Samuel, Ltd.

Metric Weights
Avery, W. & T., Ltd.

Mineral Waters
Apollinaris & Johannis, Ltd.
Camwal, Ltd.
Idris & Co., Ltd.
Ingram & Royle, Ltd.
Norske Mineralkilder

Mixers and Sifters
Gardner, Wm. & Sons (Glos.) Ld

Motor Goggles
Darton, F., & Co

Naphthalene
Burt, Boulton & Haywood, Ld

Night Lights
Price's Patent Candle Co., Ld.

Oils, Essential
Allen, Stafford, & Sons, Ltd.
Alliance Drug & Chemical Co
Boake Roberts & Co., Ltd.
Boehm, F., Ltd.
Bonaventura, F., & Co.
Bush, W. J., & Co., Ltd.
Dodge & Olcott Co.
Evans Sons Lescher & Webb, Ld
Guillevic, E., & Co.
Lambert, Saml., & Co.
Lane-Hall, R., & Co.
London Essence Co.
Magnus, Mabee & Reynard Inc.
Naef, M., & Co.
Polak & Schwarz
Poppelreuter W.
Ransom, W., & Son, Ltd.
Stevenson & Howell, Ltd.
Verona Chemical Co.
Wiener, R. O., & Co.
Wright, Layman & Umney, Ld.
Zimmermann C., & Co., Ltd.

Oils, Mineral, Fatty, &c.
Allen, Stafford, & Sons, Ltd.
Boehm, F., Ltd.
Hertz & Co.
Lewis Mnfg. Co.
Price's Patent Candle Co. Ld.
Stern Sonneborn Oil Co., Ltd.

Ointments
Blackie, Robert
Burgess, E.
Oldfield, Pattinson & Co.
Peat Products (Sphagnol) Ltd.

Olive Oil
Ferrer, J., & Co.
Guillevic, E., & Co.

Opium Preparations
Ferris & Co., Ltd.
Oldfield, Pattinson & Co.

Optical Goods
Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Gunther Optical Co., Ltd.
Standard Optical Co.

Optical Tuition
British Optical Institute
College of Optics
Spectacle Makers Company

Orange and Quinine Wine
Hobson, Joseph, & Son
Idris & Co., Ltd.
Millar, A., & Co., Ltd.
Robinson, B., & Co., Ltd.

Organic Solvents
Hopkin & Williams, Ltd.

Organo-Therapeutic Preps.
Armour & Co., Ltd.
British Organotherapy Co., Ld
Duncan, Flockhart & Co.

Otto Rose (French)
Guillevic, E., & Co.

Otto Rose (Synth.)
Bush, W. J., & Co., Ltd.
Guillevic, E., & Co.
Kerfoot, Thos., & Co.
Stevenson & Howell, Ltd
Stevenson, H. E., & Co.
Warrick Bros., Ltd.
Wright, Layman & Umney, Ld.

Oxygen Baths
Wright & Co.

Packed Goods
Allen & Hanburys, Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, Robert
British Drug Houses, Ltd., The
Corbyn, Stacey & Co., Ltd.
Cox, Arthur H., & Co., Ltd.
Christy, Thos., & Co.
Cupal, Ltd.
Davies, Sons, & Co.
Evans Sons Lescher & Webb, Ld
Goodall, Backhouse & Co.
Harker, C. R., Stagg & Morgan
Lofthouse & Saltmer, Ltd.
May, Roberts & Co., Ltd.
Oldfield, Pattinson & Co
Potter & Clarke, Ltd.
Sangers
Shirley Bros., Ltd.
Southall Bros. & Barclay, Ltd
Standard Tablet & Pill Co., Ld.
Toogood, W., Ltd.

Palatinoids
Oppenheimer, Son & Co., Ltd.

Paper Containers
Cream Mugs, Ltd.

Paper Handkerchiefs
Toinoco Handkerchief Co., Ld

Paraffinum Liquidum
Browning, Wm., & Co.
Chesebrough Mnfg. Co.
Stern Sonneborn Oil Co., Ltd.
Wiener, R. O., & Co.

Pastilles
Allen & Hanburys, Ltd.
Burroughs Wellcome & Co.
Evans Sons, Lescher & Webb
Guest, Thos., & Co.
Kerfoot, Thomas, & Co.
Wander, A., Ltd.
Warrick Bros., Ltd.

Patent Agents
Barker, R. W.
Raworth, John E.

Peppermint Oil
Allen, Stafford, & Sons Ltd.
Bush, W. J., & Co., Ltd.
Dodge & Olcott Co.
Ransom, W., & Son, Ltd.
Rudd, F. M.
Stevenson & Howell, Ltd.

Peptone
Armour & Co., Ltd.
Fairchild Bros. & Foster
May & Baker, Ltd.

Perfume Materials
Bonaventura, F., & Co.
Bush, W. J., & Co., Ltd.
Guillevic, E., & Co.
Kerfoot, T., & Co.
Lane-Hall, R., & Co.
Naef, M., & Co., Succrs.
Polak & Schwarz
Salle, H., & Co.
Stevenson & Howell, Ltd.
Wright, Layman & Umney, Ld
Zimmermann, C., & Co., Ltd.

Perfumes
Allen & Hanburys, Ltd.
Baiss Bros. & Stevenson, Ltd.
British Drug Houses, Ld., The
Bronnley, H., & Co., Ltd.
Bush, W. J., & Co., Ltd.
Christy, T., & Co.
Erasmic Co., Ltd.
Evans Sons Lescher & Webb, Ld
Gesnell, John, & Co., Ltd.
Lescol Perfumery Co.
Lorimer, John
Potter & Clarke, Ltd.
Price's Co., Ltd.
Quelch, H. C., & Co.
Rigaud
Shirley Bros., Ltd.
Southall Bros. & Barclay, Ld.
Tozana Perfumery Co.
Vinolia Co., Ltd.
Warrick Bros., Ltd.
West, T., & Son

Perles
Tye, John, & Son

Pessaries (Soluble)
Burge, Warren & Ridgley, Ld.
Rendell, W. J.

Petroleum Jelly
Chesebrough Manfg. Co.
Kidston, W. M., & Co.
Meade-King, Robinson & Co.
Stern Sonneborn Oil Co., Ltd.
Wiener, R. O., & Co.

Phenacetin
Greeff, R. W., & Co.
Monsanto Chemical Works
Read, Holliday & Sons, Ltd.
Reitmeyer Calburn & Kindersley, Ltd.

Phosphorus and Preps.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

Photo. Chemicals
Greeff, R. W., & Co.
Lane-Hall, R., & Co.
Reitmeyer Calburn & Kindersley, Ltd.

Photo. Goods
Ayrton, Saunders & Co., Ltd.
Burroughs Wellcome & Co.
Butcher, W., & Sons, Ltd.
Evans Sons Lescher & Webb, Ld
Kent, G. B., & Sons, Ltd.
Lennon, Ltd.
May, Roberts & Co., Ltd.
Newbery, F., & Sons, Ltd.
Rajar, Ltd.
Sangers
Wyleys, Ltd

Photo. Postcards
Rajar, Ltd.

Pill Makers
Cox, A. H., & Co., Ltd.
Davies, Sons & Co.
Howard Lloyd & Co., Ltd.
McKesson & Robbins
Standard Tablet & Pill Co., Ld.
Wand Manufacturing Co.

Pilocarpine
Roques, Ferdinand

Plasters
Dalmas, A. de St., & Co.
Galen Manufctg. Co., Ltd

Plate Powder
Griffiths, T. D., & Co.

Pleated Paper
Darter, Wilkinson & Co.

Pocket Lamps Electric
Ward & Goldstone

Polishes (Various)
Bradley & Bourdas
Holiday & Co.
Oakey, J., & Sons, Ltd.

Postal Boxes
Globe Box Co. | Hertz & Co.
Robinson & Sons, Ltd.

Powder Paper
Papier Poudré Ltd.

Printed String
Gosheron, John, & Co.

Printers
Ford, Shapland & Co.
Suttley & Silverlock, Ltd.
Townsend, J., & Sons
Waide, T., & Sons
Wilkinson, James F.

Proprietary Articles
Angier Chemical Co., Ltd.
Anglo-Amer. Pharm. Co., Ltd.
Ashton & Parsons, Ltd.
Beecham, T.
Beghe & Chiapetta
Bell (John), Hills & Lucas, Ltd.
Bishop, Alfred, Ltd.
Box, W. H.
Bresillon, M., & Co.
Browning, W., & Co.
Burgess, E.
Christy, T., & Co.
Cupal, Ltd.
Daisy, Ltd.
Davenport, J. T., Ltd.
Deions, Ltd.
Duncan, Flockhart & Co.
Edwards, W., & Son
Eno, J. C., Ltd.
Evans Sons Lescher & Webb, Ld
Expnrgo Manfg. Co.
Fellows' Med. Manfg. Co.
Fennings, Alfred
Ferris & Co., Ltd.
Fulford, C. E., Ltd.
Goodall, Backhouse & Co.
Harbutt's Plasticine, Ltd.
Hardcastle, W., & Sons
Henry, T. & W.
Hommel's (Dr.) Hæmatogen
International Chem. Co., Ltd.
Kay Bros., Ltd.
Kutnow, S., & Co., Ltd.
Kyho Proprietary, Ltd.
Laboratory of General Pharmacology
Mandall & Co., Ltd
Martindale, W.
May, Roberts & Co., Ltd.
Morgan Jones & Co.
Mumford, G. S., & Sons
Newbery, F., & Sons, Ltd.
Odol Chemical Works
Oppenheimer, Son & Co., Ltd.
Owbridge, W. T., Ltd.
Peat Products (Sphagnol) Ltd.
Phillips, Chas. H., Chem. Co.
Pneumosan Company
Powell, Thos., Ltd.
Primer, J.
Resinol Chemical Co.
Sangers
Scott & Bowne, Ltd.
Squire & Sons, Ltd.
Standard Tablet & Pill Co. Ld.
Thompson & Capper, Ltd.
Tokalon Ltd.
Tunbridge & Wright
Wander, A., Ltd.
Warrick Bros. Ltd.
White, A. J., Ltd.
Willcox, Jozean & Co.
Woodward, W., Ltd
Wright & Co.
Wright, Layman & Umney, Ld.

Puffs
Schutze, F., & Co., Ltd.
Solport Bros.

Pyrogallic Acid
Greeff, R. W., & Co.

Quinine and Salts
Alliance Drug & Chem. Co.
Bandoeng Quinine Factory
Corbyn, Stacey & Co., Ltd.
Greeff, R. W., & Co.
Howards & Sons, Ltd
Reitmeyer Calburn & Kindersley, Ltd.

Radium Compounds
Glew, F. H.

Razors
Hovenden, R., & Sons, Ltd.
Kelland, W. P
Maw, S., Son & Sons

Reagents
Hopkin & Williams, Ltd.

Rennet Powder
Armour & Co., Ltd.

Resins, Resinoids
Allen, Stafford, & Sons, Ltd.
Macfarlan, J. F., & Co.
Ransom, W., & Son, Ltd.
Smith, T. & H., Ltd.

Respirators
Bell, J., & Croyden, Ltd.
Brown, J. M., & Co.
Harper, D., & Co., Ltd.
Solport Bros., Ltd.
Zimmer & Co.

Rubber Goods
Altrincham Rubber Co.
Berton, Arthur, Ltd.
Burge, Warren & Ridgley, Ltd.
Haywood, J. H., Ltd.
Ingram, J. G., & Son
Maw, S., Son & Sons
Tompkins, J., Ltd.
Warne W., & Co., Ltd.

Rubber Stamps
Bishop C. D.

Russian Drugs, &c.
Wladyslaw Hoffman & Co.

Saccharin
ccharin Corporation, Ltd.
alicylic Acid and Salicylates
sh, W. J., & Co., Ltd.
Sanitary Towels
uthall Bros. & Barclay, Ltd.
Santonine
ldberg, I. L.
Saponin
ld, C. W., Ltd.
Sarsaparilla
tter & Clarke, Ltd.
Scientific Apparatus
rken, Son & Co., Ltd.
lischer, J.
ynolds & Branson, Ltd.
ales and Weights
ery, W. & T., Ltd.
Sea Salt
man & Son, Ltd.
Seed Dressing
wker, Arthur E.
mlinson & Hayward, Ltd.
Seeds
ter & Clarke, Ltd.
Serums and Antitoxins
on & Hanburys, Ltd.
rroughs Wellcome & Co., Ld.
ssty, T., & Co.
nssons Lescher & Webb, Ld
rke, Davis & Co.
leox, Joseau & Co.
ampoo Powders
nell, John, & Co., Ltd.
ndard Tablet & Pill Co., Ld.
Shares
Adam & Tuckniss
Sheep Dips
t, Boulton & Haywood Ld.
per, Wm., & Nephews
wker, Arthur E.
mlinson & Hayward, Ltd.
Shop Fittings
rton-Graham, Ltd.
k, George
nsSons Lescher & Webb, Ld.
nt, D.
kins, S., & Bros., Ltd.
sphs, Philip, & Sons, Ltd.
w, S., Son & Sons
s, H.
nall & Sons
ldock & Co.
gers
Shoulder Straps
d, Vincent
Silverware Goods
t, Adolph
Soap Plant
shaw, E., & Son, Ltd.

Soaps, Toilet, &c.
Allen & Hanburys, Ltd.
Bell (John), Hills & Lucas, Ld.
Bromley, H., & Co., Ltd.
Chesebrough Manfg. Co.
Christy, Thos., & Co.
Cook, E., & Co., Ltd.
Erasmic Co., Ltd.
Eucryl, Ltd.
EvansSonsLescher&Webb, Ld
Ewen, James, & Sons
Faulding, F. H., & Co.
Field, J. C. & J., Ltd.
Gosnell, John, & Co., Ltd.
Harrison, G. W.
Hovenden, R., & Sons, Ltd.
Lescol Perfumery Co.
Pears, A. & F., Ltd.
Price's Patent Candle Co., Ld.
Resinol Chemical Co.
Spratt's Patent, Ltd.
Vinolia Co., Ltd.
Wright, Layman & Umney, Ld
Sodium Bicarbonate
Brunner, Mond & Co., Ltd.
Howards & Sons, Ltd.
Sodium Salicylate
Read, Holliday & Sons, Ltd.
Soothers
Newbery, F., & Sons, Ltd.
Schutze, F., & Co., Ltd.
Sparteine
Roques, Ferdinand
Spectacles
Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Gunther Optical Co., Ltd.
Spermaceti
Price's Patent Candle Co., Ld.
Sphygmometers
Hicks, James J.
Spices (Ground)
Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.
Spirit of Wine
Burrough, J., Ltd.
Calder, James, & Co., Ltd.
Preston's Liverpool Distillery Co., Ltd.
Sponges
Internl. Sponge Importers, Ld.
Newbery, F., & Sons, Ltd.
Sprays
Benton & Stone, Ltd.
Burge, Warren & Ridgley, Ltd.
Christy, Thos., & Co.
Hovenden, R., & Sons, Ltd.
Maw, S., Son & Sons
Parke, Davis & Co.
Sangers | Toogood, Wm., Ltd.
Sprinkler Corks
Betts & Co., Ltd.
Spruce Beer
Hobson, Joseph, & Son
Starch
Mumford, G. S., & Sons

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Bennett, Sons & Shears, Ltd.
Dore, John, & Co.
Forshaw, E., & Son, Ltd.
Stokes, F. J., Machins Co.
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Rowe, T. Wilfrid
Stipendum Stopper Co.
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Baiss Bros. & Stevenson, Ltd
Berton, Arthur, Ltd.
Burgoyne, Burbidges & Co.
Burroughs Wellcome & Co.
Bush, Henry W., & Co., Ltd.
Carnegie Bros.
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Cuxson, Gerrard & Co., Ltd.
Dalmas, A. de St., & Co.
Galen Manfg. Co., Ltd.
Gimber, W., & Son
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Haynes, G., & Co.
Liverpool Lint Co.
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Southall Bros. & Barclay, Ltd.
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Van Horn & Sawtell
Vernon & Co., Ltd.
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Warne, W., & Co., Ltd.
Wood, Vincent
Woolley, J. Sons & Co., Ltd.
Surgical Tubes (Rubber)
Goodrich, B. F., Co.
Suspensories
Bailey, W. H., & Sons
Synthetic Prods.
Naef, M., & Co.
Syphons
Barnett & Foster
Camwal, Ltd.
Idris & Co., Ltd.
Pure Aeration Supply, Ltd.
Williams, E., and Co.
Syringes
Bresillon, M., & Co.
Bush, H. W., & Co., Ltd.
Gray & Selby
Syrups, Medicinal
Fellows' Med. Mnfg. Co.
Table Waters
Burrow, W., & J.
Tablet Machinery
Allen & Hanburys, Ltd.
Bennett, Sons & Shears, Ltd.
Thompson & Capper, Ltd.
Wilkinson, S. W., & Co.

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Allen & Hanburys, Ltd.
British Drug Houses, Ld., The
Brook, Parker & Co., Ltd.
Burgoyne, Burbidges & Co.
Cox, A. H., & Co., Ltd.
Davies, Sons & Co.
Duncan, Flockhart & Co.
EvansSonsLescher&Webb, Ld
Guest, Thos., & Co.
Howards & Sons, Ltd.
Jackson, Ernest, & Co.
Parke, Davis & Co.
Scheller, Emil, & Co.
Shirley Bros., Ltd.
Southall Bros & Barclay, Ltd.
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Thompson & Capper, Ltd.
Wand Manfg. Co.
Wigglesworth & Co.
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Burroughs Wellcome & Co.
Talc, Powdered
Levermore, Aug., & Co.
Tampons, Medicated
Bresillon, M., & Co.
Tea
Christy, Thos., & Co.
Teats
Ingram, J. G., & Son
Terpeneless Oils
Naef, M., & Co.
Polak & Schwarz
Zimmermann, C., & Co., Ltd.
Theobromine
Scheller, Emil, & Co.
Smith, T. & H., Ltd.
Societeit voor Chemische Industrie Katwijk
Tin Box Makers
Goodall, Backhouse & Co.
LiverpoolTinCanisterCo., Ltd.
Shirley Bros., Ltd.
Tinctures in Bond
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Dearborn, Ltd.
Fulford, C. E., Ltd.
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Knox-Walker, J., & Co., Ltd.
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Ford, Shapland & Co.
Townsend, J., & Sons
Trade-Marks Agents
Barker, R. W.
Ford, Shapland & Co.
Raworth, John E.
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Assoc. of Mnfg. Chemists, Ld.
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Bailey, W. H., & Son
Bush, H. W., & Co., Ltd.
Davis, J. M., & Sons, Ltd.
Ellis, Son & Paramore
Haywood, J. H., Ltd.
Maw, S., Son & Sons
Sangers
Schutze, F., & Co., Ltd.
Wood, Vincent
Woolley, J., Sons & Co., Ltd.
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Shirley Bros., Ltd.
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Melin, C., & Co.
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Turned Wood Boxes
Estes, E. B., & Sons
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Lambert, Saml., & Co.
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Urinals, Earthenware
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Vacuum Flasks
Aerators, Ltd.
Landau & Co.
Quelch, H. C., & Co.
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Baker, P. C. | Berdoe & Fish
Brett & Co. | Orridge & Co.
Tomlinson, T., & Son
Vanilla Beans
Magnus, Mabee & Reynard Inc.
Vanillin
Bush, W. J., & Co., Ltd.
Greeff, R. W., & Co.
Verona Chemical Co.
Zimmermann, C., & Co., L'd.
Vermin-Killers
Christy, T., & Co.
Cox, Arthur H., & Co., Ltd.
Cupal, Ltd.
Danysz Virus, Ltd.
EvansSonsLescher&Webb, Ld
Farmer, F., & Co.
Harley, Thomas
Hawker, Arthur E.
Milner's Chemical Co.

Vaseline
Chesebrough Manfg. Co.
Vet. Instruments
Mason Bros. & Chapman
Maw, S., Son & Sons
Vet. Remedies.
Cataline Co.
Chesebrough Manfg. Co.
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Cooper, Wm., & Nephews
Day & Sons (Crewe)
Dennis, John W.
Edwards, W., & Son
Harvey & Co. (Dublin), Ltd.
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Wyleys, Ltd.
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Batley, Lewis, & Co.
Water Beds, &c.
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Water Glass
Goodall, Backhouse & Co.
Tomlinson & Hayward, Ltd.
Water Still
Brown & Sons
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Robinson, B., & Co., Ltd.
Waxes
Boehm F., Ltd.
Hayes & Finch, Ltd.
Price's Pat. Candle Co.
Schliemann's Oil & Ceresine Co
Wiener, R. C., & Co.
Weed Killers
Cooper, Wm., & Nephews
Hawker, Arthur E.
Tomlinson & Hayward, Ltd.
Window Fittings
Ayrton-Graham, Ltd.
Southall, Bros. & Barclay, Ltd.
Window Tickets
Merten, F., & Co.
Wines, Medicated
Burrough, J., Ltd.
Burroughs Wellcome & Co.
Coleman & Co., Ltd.
Fletcher, Fletcher & Co., Ltd.
Hobson, Joseph, & Son
Idris & Co., Ltd.
Robinson, B., & Co., Ltd.
Wrapping Machinery
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Hubbuck, T., & Son Ltd.
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Zinc Sulphate
Blythe, Wm., & Co., Ltd.

"Milk of Magnesia"

(REGISTERED TRADE MARK)

IS THE ORIGINAL AND ONLY GENUINE

In Bottles, 1/- and 2/3.

"Phospho-Muriate of Quinine Co."

PHILLIPS'

In Bottles, 4/6.

The CHARLES H. PHILLIPS CHEMICAL Co.

14 HENRIETTA STREET, COVENT GARDEN, W.C.

Tel. No.: 275 Gerrard.

MODERN PHARMACEUTICAL PRODUCTS

SACCHARIN

Highest possible strength 550 times sweeter than pure cane sugar.

500 Soluble
450 Crystals
330 & 300

All strengths supplied duty paid or in bond for export.

NOVOCAIN

The Non-Irritant Local Anæsthetic.

GOLD MEDAL at International Medical Congress, London, 1913.

NOVOCAIN
DOES NOT CONTAIN COCAINE.

Supplied to
HIS MAJESTY'S WAR OFFICE and H.M. INDIA OFFICE.

Price Lists and Literature on application.

TRIVALIN

A NEW HARMLESS NON-TOXIC SUBSTITUTE FOR MORPHIA.

Specially recommended in Painful Dressings, Inoperable Cancer, Gall-stone, Sciatica, Neuralgia, etc.

In Ampuls (1cc.) for Hypodermic Injections.
In Coated Tablets for Internal Administration.

SAMPLES AND LITERATURE FREE.

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FORMERLY KNOWN AS

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THE NEW SURGICAL HÆMOSTATIC

Vide "The Lancet," July 18th, 1914.

Powerful Styptic hastening coagulation and clot formation. Prepared from blood residues, free from inorganic salts. Non-irritant, non-corrosive and non-toxic. Renders tamponage and ligature of small vessels unnecessary. Facilitates healing of wounds by first intention.

SAMPLES AND LITERATURE FREE.

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PHARMACEUTICAL DEPT.,
36 & 37, QUEEN STREET, CHEAPSIDE, LONDON, E.C.

PHARMACEUTICAL AND PHOTOGRAPHIC PRODUCTS

R.W. Greeff & Co.,

offer at lowest prices the following products manufactured in the United Kingdom, Allied and Neutral Countries.

(WHOLESALE QUANTITIES ONLY)

Acetyl Salicylic Acid
Bromide of Potassium
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Chloral Hydrate
Cinchonine Sulphate and Muriate
Cinchonidine Sulphate
Cocain Hydrochlor and Puriss
Coumarin Crystals
Creosote Carbonate
Diamidophenol Hydrochlor
Formaldehyde
Glycerine
Guaiacol Carbonate
Heliotropin
Hexamine
Hydroquinone
Isarol (best Ichthyol substitute)
Lithia Carbonate
Lithol (Ichthyol sub.)
Mercurials
Methyl Sulphonal
Peppermint Oil
Pepsine
Phenacetin
Phenazone
Pyrogallic Acid
Phenolphthalein
Potassium Sulpho-Guaiacolate
Quinine
Resorcine
Sugar of Milk
Tannic Acid
Tannin Albuminate
Theobromine Pure Alkaloid
Vanillin

R.W. Greeff & Co.,
THAMES HOUSE, QUEEN STREET PLACE,
LONDON, E.C.

POTTER & MOORE

OLD ENGLISH
Lavender Water

English Bottles.

GENUINE ENGLISH
Eau de Cologne

English Rectified Spirit.

ESSENTIAL OILS PRODUCED
IN OUR OWN FACTORIES.

PROPRIETORS—

W. J. BUSH & CO., LTD.

ASH GROVE, HACKNEY, LONDON, ENGLAND.

TELEGRAMS: "ELEVEN CENT LONDON"

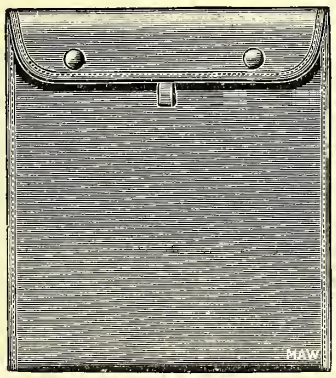
S. MAW, SON & SONS
7 TO 12, ALDERSGATE ST.
LONDON, E.C.

Maw's Page

TELEPHONE: CITY 7 PRIVATE BRANCH EXCHANGE

NUMBER 192 JUNE 19, 1915

SPONGE BAGS



THE "PRINCESS."

The above is a style made in two colours — Quaker grey and chocolate-brown. The material is double proofed, and bound with self-coloured silk. Prices: 7/-, 8/- 9/-, 11/-, 13/- and 15/- per dozen, according to size.

.....

Other patterns of importance:

The "Sylph"	... from	6/- doz.
,, "Velfin"	... ,,	7/- ,,
,, "Standard I.R."	,,	16/- ,,
,, "Strand"	... ,,	7/- ,,
,, "Sandhurst"	... ,,	8/- ,,

THE "Invincible" Safety Razor is now put up in a neat dark green leather case, with pocket for blade, and measures 3¼ in. × 2½ in. when closed. Price 1/3 each. Splendid for travelling.

...

NOW is the time to sell our Super Quality Check Cambric Sponge Wraps.

12 in. × 12 in. 13/- dozen
18 in. × 18 in. 18/- ,,
24 in. × 24 in. 27/- ,,

Each fitted with pocket.

...

TOILET HOLDALLS are another recognised "Holiday Line." We have a large and varied selection fully illustrated and priced on page 469 in our Catalogue.

...

A NEW Motoring Goggle of distinctive features is our pattern composed of a celluloid frame of tortoise-shell colouring, and fitted with amber lenses. Price 4/3 each.

THE FIRST EXCURSION.

LITTLE TALES. 8.

Less than eighty years ago the first excursion train to Brighton started from London Bridge at nine o'clock with 45 carriages and 4 engines. Further down the line it picked up 12 more carriages and 2 extra engines.

A chronicler wrote that "the greatest apprehensions prevailed at Brighton until 1.30, when the monster train steamed safely into the terminus."

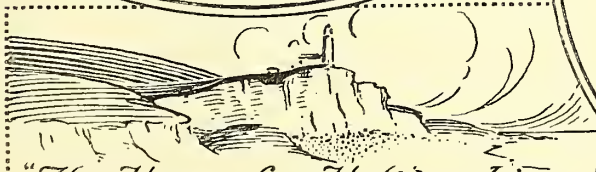
Although there are no excursions this year, many people will endeavour to go away for a brief respite from "war worries." This "Page" should aid Pharmacists in catering for the wants of travellers.

.....

TOOTH BRUSHES.

This week we repeat our special offer of assorted Tooth Brushes at 4/- dozen (6 dozen in box). Made in a big variety of shapes. Celluloid handles in cherry and lemon. Good quality bristles. Saleable at 6*d.* and 9*d.* each.

Already selling in large quantities.



"The House for Holiday Lines."

THE 'ELF'

Made in transparent oiled silk, in charming shades. Different coloured trimmings.

Charming new line.

21/6 per dozen.

Cream of Tartar Buyers

will welcome

TARTACREAM

Tartacream is not a Cream Powder, nor a substitute for, but really an improvement on, Cream of Tartar. ***(All British.)***

It has been submitted to the highest Medical Authorities, and they are unanimous in pronouncing it absolutely perfection. And whereas Cream of Tartar Baking Powders are injurious to health, Tartacream is beneficial in every way.

The response from the Trade has been enormous. Shrewd Wholesale Houses who know the value of a novelty, especially when made by a House "enjoying a world-wide reputation in the Baking Trade" (to quote the words of the Editor of the "Grocer"), were not slow to take up the article, and with what success!

Read the following Extract from an enterprising Wholesale House, dated January 4:

"We thank you for sending consignment of Tartacream, and will be glad to have a further consignment as early as possible. The orders we have on hand at the moment are 60 1-cwt. casks and 80 28-lb. boxes—i.e. after sending out the ton we have received to-day."

A (Quaker) firm enjoying a world-wide reputation, writing us on November 27, say: "The Tartacream we received from you this month gives us every satisfaction."

Figheldean, Salisbury, April 7, 1915.

"Sirs,—Please send to Bulford Station, L. & S.W. Rly., 1 cwt. of Tartacream. Also please find enclosed cheque for account, and oblige. Yours truly, E. E. BLAKE."

"P.S.—I find your Tartacream quite equal to Cream of Tartar for cakes of all kinds."

April 19, 1915.

"Sirs,—A line in answer to say I shall be pleased for you to make any use you like of testimonial, as I am certain not many Bakers and Confectioners would buy Cream of Tartar once they tried your Tartacream. Yours faithfully, E. E. BLAKE."

An important firm of Self-Raising Flour Manufacturers say:

"We are delighted with Tartacream, and if Cream of Tartar was the same price, we would give Tartacream the preference."

The originals may be seen at our Office, and we will forfeit £1,000 if not accurate. They speak volumes.

Foreign Wholesale Houses supplying the Baking Trade are invited to correspond with

Messrs. MEYER, BRIDGENS & CO., Ltd., 7 Mark Lane, London, E.C.

For Prices and Terms apply—

THE BRITISH WHEAT SALTS CO.

Priorsleigh Works,

Moseley Street, Birmingham.

Tel. Address: "LOAVES BIRMINGHAM." Telephone: MIDLAND **2591.**

Wholesale Agents for London—EGGO LIMITED, 99 Mansell Street, Aldgate, London, E.
Wholesale Agents for Scotland—AITKEN & WRIGHT, Leith.
Wholesale Agents for Norwich—MAY & CO., Charing Cross, Norwich.
Wholesale Agents for Southampton & Portsmouth—EDWIN JONES & CO., Ltd., Southampton.

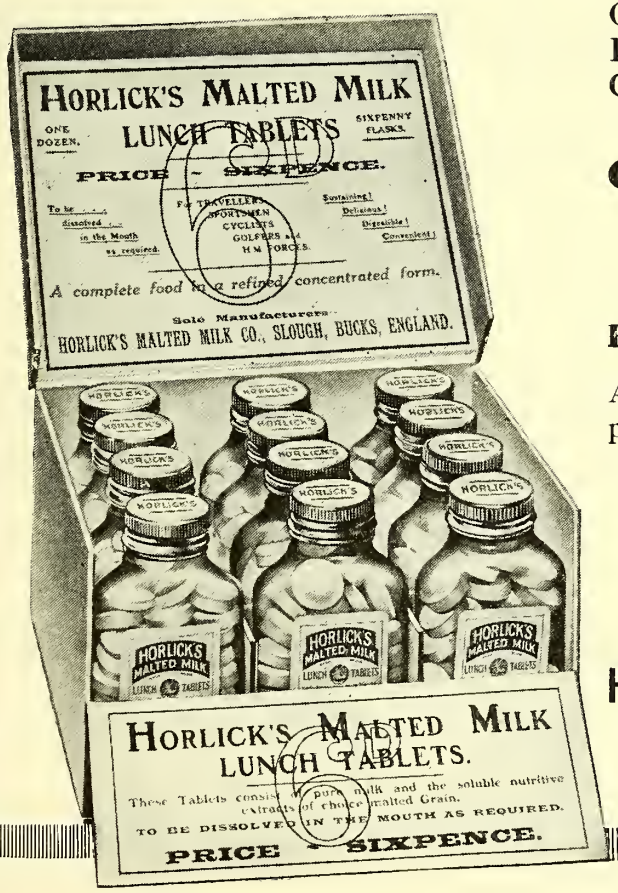
Depots—LONDON, BRISTOL, CARDIFF, MANCHESTER, LEITH, GLASGOW and BELFAST.

Horlick's Malted Milk LUNCH TABLETS

A NEW

6D. FLASK

Especially convenient for Travellers, Sportsmen, Athletes, Cyclists, and His Majesty's Forces.



ONE DOZEN FLASKS IN A CARTON FOR COUNTER DISPLAY.

COSTS THE TRADE

4/6

FOR SINGLE DOZENS

Also in 1/- Flasks, similarly packed, at 9/- per dozen.

Order of your wholesale distributor.

Write for particulars to:

HORLICK'S MALTED MILK Co.

SLOUGH, BUCKS., ENG.

Why Sell GERMAN or AUSTRIAN WATERS?

Tonalka

Is the British Aperient Water which yields you a Good Profit.

Special Bonus offered to Chemists giving a WINDOW DISPLAY.

Wholesale Price - 5/6 per doz. net.
(Delivered Free in London District).

1/- per doz. allowed on Bottles when returned.

Minimum Retail Price - 10d. per bottle.
(P.A.T.A.)

IDRIS & CO., LTD. PRATT STREET, CAMDEN TOWN, N.W.

BRANCHES—LIVERPOOL, SOUTHAMPTON, CANTERBURY.

SCIENTIA B&B Co DILIGENTIA

Our modern laboratories, the largest of their kind in the Kingdom, are replete with the most modern scientific machinery for the manufacture in large quantities of pure chemicals and pharmaceutical preparations.

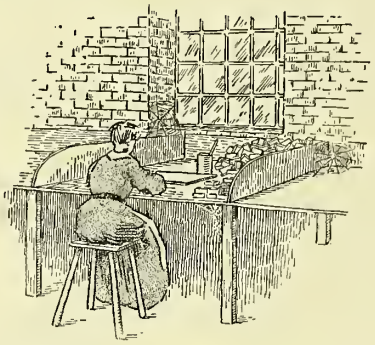
The following, among many others, are typical productions, replacing those hitherto of Continental origin, and are supplied under our seal guaranteeing them the

"STANDARD OF PURITY"

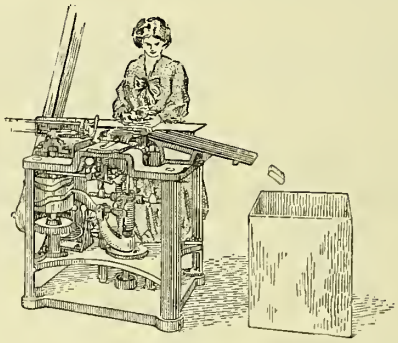
ACETANILIDE
ACID CHROMIC
ALOIN
ANTIPYRIN SALICYLATE (SALIPYRIN)
BISMUTH SUBGALLATE (DERMATOL)
BISMUTH-TRIBROMO-PHENOL (XEROFORM)
CAMPHOR MONOBROMID.
CANTHARIDIN
HEXAMIN SODIO-ACETATE (CYSTOPURIN)
HEXAMINE (UROTROPIN)
HYDRARG. SALICYLATE
TANNIN ALBUMINATE (TANNALBIN)
THEOBROMIN SODIO-ACET. (AGURIN)
THYMOL DI-IODIDE (ARISTOL)

Burgoyne, Burbidges & Co.
EAST HAM — LONDON, E.

Telegrams: "CYRIAX, EHAM, LONDON."
Telephone: EAST HAM 686 (Four Lines).



THE OLD-FASHIONED WAY.



THE "ROBINSON" WAY.

THE WORLD-WIDE REPUTATION OF THE ROBINSON-MADE BOX FOR CHEAPNESS AND QUALITY HAS BEEN BUILT UP BY THE USE OF THE LATEST AND BEST AUTOMATIC MACHINERY—A PRACTICE FOLLOWED FOR 76 YEARS.

WE WANT TO DO BUSINESS WITH YOU.

THE ADVANTAGE WILL BE MUTUAL.

TRADE MARK REGD. "EVEREADY"

THE TRADE MARK OF QUALITY.

ROBINSON & SONS, LTD.

MANUFACTURERS OF ALL KINDS OF CARDBOARD BOXES.

CHESTERFIELD & LONDON.

(35)

Step inside!

IT is not a business of great difficulty to draw a crowd to the window. It is a different matter to get people inside. There is something about the Haskins front and fittings that not only attracts the multitude but gives that impression of "quality" which encourages potential customers to "step inside!"

¶ We are prepared to talk the Shop-front question over with you, this will place you under no obligation. Write to-day for our latest list. Particulars post free.

Saml. HASKINS & Bros., Ltd.

SHOPFITTERS

Telephone: CITY 2985 (4 lines).

Established 1784.

20-34 Old Street, LONDON, E.C.

Telegrams: "Curvilinear, Barb, London."

Experts sent to all parts.

Favourite·British·Brands

FIFTY PER CENT PROFIT.

VINOLIA EAU DE COLOGNE

(TRIPLE CONCENTRATED)

7½d., 1/-, 2/-, 4/-, 8/- per Bottle,

also in wickered bottles at **3/3 & 5/-** each.

Vinolia Eau de Cologne (Triple Concentrated) is pronounced by people of refined, discriminating taste to be the finest production of its kind. It should be given a prominent display in every Pharmacy—it is a sure trade bringer.

ROYAL VINOLIA
REAL ENGLISH LAVENDER WATER

(EXTRA CONCENTRATED).

Made from Mitcham Lavender.

At **9d., 1/4½, 2/6, 3/6 & 4/6** per Bottle.

The delightful fragrance of this Lavender Water and its exquisitely cooling and refreshing properties combine to render it an article that must appeal to everyone.

MOST POPULAR AND SEASONABLE LINES ON THE MARKET.

SHOULD BE STOCKED BY ALL CHEMISTS.

VINOLIA CO. LTD., LONDON & PARIS. R V 147—29

HARBUTT'S

FIBROUS PLASTICINE

FOR THE PREVENTION OF GUN DEAFNESS.

Used by the War Office and the Admiralty and by hundreds of our men in the firing line.

Strongly advertised, and put up in attractive tin boxes to retail at 6d. & 1/-. This new line is worth your attention.

Please write for terms and samples.

HARBUTT'S PLASTICINE, LTD.,
6 Bathampton - - - Bath

OVER 100% PROFIT!
ENSURED & PROTECTED (P.A.T.A.)
for sellers of

Laurence's Hair Dyes

One solution, nine shades.

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

Size.	Minimum retail.	Minimum wholesale.	
1/-	1/-	7/6	per doz. less 5% discount
1/6	1/6	9/-	
2/6	2/3	15/-	
3/6	3/3	21/-	

SPECIAL BONUS.

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).
Do. 6 doz. do. 8 bottles gratis.
Do. 12 doz. do. 18 bottles gratis.
Equivalent in the case of the size in most general demand, viz. 1/6 size to 4/6, 12/- and 27/- respectively.

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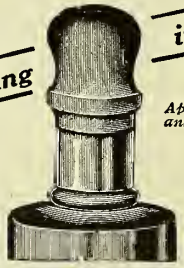

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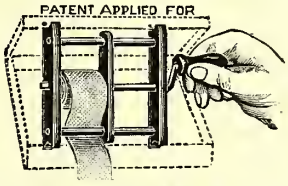

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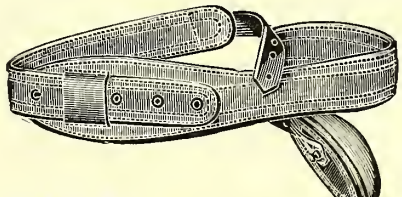

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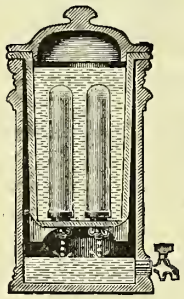

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Summary.

The latest German method of sterilising drinking-water is Dr. J. C. Thresh's (p. 49).

Sir William Ramsay, K.C.B., is to be allowed to explain himself to the German Chemical Society after the war (p. 39).

Insurance Committees' views on the discounting problem are set forth by a clerk in an article communicated to this issue (p. 51).

Mysterious fires appear to be as prevalent in Germany as they are here, but the former are said to be in revenge for their "submarine blockade" (p. 33 and p. 48).

Correspondents write on current topics and practical subjects, their letters beginning on p. 58. The new Dental Bill is one of the subjects, and another is the necessity for chemists increasing their prices—*e.g.*, pills 1*d.* per dozen more.

Although the crude-drug business is quiet, the chemical-markets are active, and prices show a rising tendency all round; in fact, several show a sharp advance, especially potassium salts, bromides, and sodium hyposulphite. Bichromates, citric acid, cream of tartar, methylated spirit, and bitter-almond oil are also higher. Star-anise and linseed oils, cloves, shellac, and cocoa-butter are more or less cheaper (p. 55).

During the Committee stage of the Finance Bill on Wednesday an amendment by the Chancellor was passed which places in the hands of the Commissioners of Customs and Excise the determination of whether a preparation is used for medical purposes or not. Mr. Glyn-Jones endeavoured to get a statutory Advisory Committee for the purpose, but the Chancellor would only promise that the Commissioners will be advised by medical experts, this being understood to include "pharmaceutical" (pp. 42-43). It is proposed in a new clause to exempt public hospitals from the spirit-duty in respect to medicines (pp. 46-47).

European War.

Pharmaceutical Roll of Honour.

Non sibi sed patriæ.—CICERO.

THIRTY-NINTH LIST.

ALLAN, JOSEPH (formerly apprentice with Mr. R. R. Hallaway, Ph.D., Ph.C., Carlisle), 17th Batt. Highland Light Infantry.

BRYDGES, CHANDOS, W., late of Evans Sons Lescher & Webb, Ltd., and Army Medical Department, Whitehall, S.W., lieutenant West African Frontier Force.

HARTNETT, Second-Lieutenant M. C., The Medical Hall, Kenmare, co. Kerry, Ireland, 7th Batt. Royal Munster Fusiliers.

HUGHES, Dr. W. E. (lately chief chemist to W. Canning & Co., Birmingham), till lately serving as a private in the University and Public Schools Corps, has been granted a commission, and has been gazetted to the Leicestershire Regiment.

LYALL, NORMAN (son of Mr. Jas. Lyall, chemist, Rotherhithe, London, S.E.), London Scottish. Mr. Norman Lyall has five uncles and seven cousins at the Front.

OULD, Bombardier R. F. (lately with W. H. Hobbs & Co., Ltd., Tower Hill, London, E.C.), Royal Field Artillery.

ROBERTSON, GEORGE (formerly apprenticed to Mr. David Harley, chemist, Musselburgh), 14th Batt. Argyll and Sutherland Highlanders.

SOWBY, Sergeant CHARLES W., chemist and druggist, of Sleaford (lately with Coverdale & Co., chemists, Worcester), R.A.M.C., now in France.

VERNON, ARTHUR, Royal Naval Division, and HAROLD VERNON, 56th Batt. Canadian Overseas Force, sons of Mr. W. H. Vernon, Ph.C., Anerley, London, S.E.

The following gentlemen are connected with the retail and wholesale drug-trade in Australasia:

CORNOCK, J. (lately with McGuffie & Co., Brisbane), A.A.M.C.

GRIMWADE, RISDON (son of Mr. E. Norton Grimwade, Melbourne), 6th Field Ambulance. Another of Mr. Grimwade's sons is at present serving on board a warship in the North Sea.

LAWSON, Quartermaster OSCAR J., chemist, Fitzroy, Vic., 6th Field Ambulance.

MCLEOD, KENNETH J., chemist and druggist.

MORLEY, Sergeant CHARLES R. (son of Mr. Chas. Morley, of Morleys, Ltd., chemists, Tweed Heads, N.S.W.), 5th Light Horse, Expeditionary Force.

PARKES, SIDNEY (son of the late E. Parkes, chemist, Balmain, N.S.W.), Expeditionary Force.

PYE, C. R. A., M.B., Ch.M., Expeditionary Force, and Sergeant-Compounder ERIC J. W. PYE, A.A.M.C., Expeditionary Force, sons of Mr. R. A. Pye, chemist, Windsor, N.S.W.

WALLAS, IRWIN B., R.F.A.; ARNOLD WALLAS and GRAHAM WALLAS, Australian Light Horse; WILLIAM A. WALLAS, on reserve in Canada; and ALEXANDER G. WALLAS, on reserve in China—sons of Mr. T. J. Wallas, chemist (N.S.W.) and bacteriologist, Macquarie Street, Sydney.

The following additional members of the staff of Ayrton, Saunders & Co. have joined the Colours: S. Burgoyne, R. D. Jones, W. Kinnish, E. Linch, and A. Oakden.

W. Canning & Co., Birmingham, inform us that one of their chemical workers, T. Muggeridge, who was serving with the Worcestershire Regiment, is a prisoner at Ohrdruf, Germany.

Mr. Donald Macaulay, chemist and druggist, who is well known in Cape Town and Johannesburg, having been with Petersen, Ltd., and Heynes, Mathew & Co. as a manager of branches, is now acting as musketry officer in one of the brigades of Kitchener's Army. His son, Mr. Donald Macaulay, jun., is with the Machine-gun Section of the 5th Cameron Highlanders, somewhere in France.

Enemy Patents and Trade-marks.

The Board of Trade, under the powers invested in it by the Patents, Designs, and Trade-marks (Temporary) Rules Act, 1914, has granted licences to Mr. H. S. Wellcome to use the following patents relating to the manufacture of salvarsan and neosalvarsan: No. 3,934 of 1907, "Improved process for the manufacture of acidyl derivatives of para-amido-phenyl-arsinic acids," belonging to Curatorium der Georg und Franziska Speyerschen Studienstifftung; and No. 13,485 of 1910, "Para-oxyarylarsinic acids"; No. 5,595 of 1912, "Nitro-oxyarylarsinic acids"; Nos. 7,865 and 8,219 of 1912, "3: 3′ diamino-4: 4′-dioxyarseno-benzene," belonging to the Farbwerke vormals Meister, Lucius & Brüning.

The suspension orders dated December 7, 1914, relating to 13,485 of 1910, 5,595 of 1911, and 7,865 of 1912 are revoked (see *C. & D.*, September 19, 1914, p. 51, and February 20, p. 53). The registration of the trade-marks 310,235 ("Salvarsan") and 340,386 ("Neosalvarsan") registered by the Farbwerke vormals Meister, Lucius & Brüning has been suspended in favour of Mr. H. S. Wellcome. The suspension order dated December 7, 1914, regarding the salvarsan trade-mark is revoked. The application of Mme. M. V. M. L. L. Chevillard for the avoidance of the trade-marks 171,016 and 255,118 ("Odol") has been refused (see *C. & D.*, April 17, p. 44).

Trading with the Enemy.

The Board of Trade direct the particular attention of all manufacturers and traders concerned in the export trade to the need for scrupulous care in the transaction of their business abroad. The Government's reprisals policy, formally announced by the Order in Council of March 11, 1915, is directed to suppress all enemy trade, whether import or export. The main difficulty in making this policy thoroughly effective arises from the fact that some traders in some neutral countries are making themselves agents for the supply of goods to enemy countries. British firms engaged in foreign trade, therefore, must have regard to these circumstances, and survey with great caution every opening for business which is offered them by neutral importers or exporters. Especial care should be taken in opening new accounts in neutral countries, and in relation to any orders or inquiries of an abnormal character. In any case of doubt as to the *bona fides* of particular consignees, business should be suspended pending reference to the Board of Trade. It is inadvisable that any new accounts should be opened by any British trader in neutral countries during the war without the fullest inquiries as to the character of the business proposed to him. The Board feel sure that they can rely upon the cordial co-operation of all firms engaged in foreign business to secure the successful working of the reprisals policy. It must be added that the Proclamations relating to trading with the enemy cover indirect trading with the enemy through neutral agents, and that carelessness in transacting neutral business may involve traders in the severe penalties attaching to trading with the enemy.

Notices as to Exports of Chemicals, etc.

Belgium.—According to a decree of the German Governor-General of April 22, the importation into Belgium of fatty acids and oleins of fats from which the glycerin has been removed is prohibited.

Germany.—According to a decree of the Imperial Chancellor, dated May 22, a new list of the medicines has been published the exportation of which from Germany is prohibited. This list includes the same products noted in previous lists, together with the following new items: Emetine, eserine (physostigmine), guaiacol, creosote, pilocarpine, theocine, theophylline and all salts, compounds, or preparations thereof; glycerophosphates and preparations thereof, sulphonal, and methylsulphonal (trional).

Holland.—The exportation of medicaments and raw material for the preparation thereof from the Netherlands is prohibited. "Handelsberichten" of June 3 contains a new list of articles that have been considered by the Government to be medicaments in this respect and the exportation of which is prohibited. These articles are: Alum, borax, sodium bicarbonate, iodine, iodic acid, and other iodine-compounds; camphor and camphoric acid, creosote, cresol, cod-liver oil, sugar of lead, magnesium oxide, lactic acid, naphthaline, peppermint oil, arsenic, sal ammoniac, thymol, tartaric acid, hydrochloric acid, opium and its derivatives, such as morphine, codeine, panbopon, laudanum, etc.; salicylic acid, aspirin, novaspirin, diaspirin, antifebrin, lactophenine, antipyrin, and other derivatives of salicylic acid and aniline used in medicine; mercury and mercurials, salvarsan and neosalvarsan, bromine salts and other bromine-compounds, bismuth, carbolic acid (crude and refined), castor oil, and patent soporifics, such as adaline, veronal, trional, etc. Aqua regia, too, may not be exported.—According to a Royal Decree of June 2, the exportation of raw cotton and of diuretin from Holland, which was provisionally allowed, is again prohibited. Instead of "melted and unmelted lard and suet and mixtures of these fats and mixtures of them with other eatable fats," the exportation from Holland is prohibited of "all melted and unmelted animal fats or mixtures of animal fats or mixtures of animal and vegetable oils and fats."

Japan.—The Board of Trade are in receipt of translation of an Ordinance (No. 18) of the Japanese Ministry of the Interior, dated August 27, as amended up to March 10, 1915, which relates to the control of the exportation from Japan of medicinal articles in time of war. The Ordinance provides that persons desirous of exporting medicinal articles from Japan during the continuance of the war must declare the names, quantities, and destination of the goods, and must obtain the sanction of the Minister of the Interior. The same rule applies to re-exports of medicinal articles from bonded warehouses or temporary storage-places; but this rule does not apply to articles which at the time of deposit in bonded warehouses or temporary storage-places were certified as articles for re-export by a written agreement or other certificate furnished to the Customs. Further, the rule does not apply to the following articles: Iodine, medicines made with iodine, iodine-compounds, camphor, camphor oil, peppermint oil, menthol-crystals, diastase, acetic acid, sulphuric acid, serums, cod-liver oil, sesame oil, medicated lint, medicated cotton-wool, ginseng, China root, roots of *Coptis Teeta*, star-anise, galls, and other Japanese and Chinese drugs (excepting reagents specified in the Japanese Pharmacopœia), aqua pruni macrophyllæ, magnesium sulphate, ferric sulphate, copper sulphate, aluminium sulphate, magnesium oxide, calcium oxide, magnesium carbonate, calcium chloride, burnt alum, hydrochloric acid, alum, ginger, magnesium bicarbonate, magnesium dioxide, ammonium sulphoichthyolate, arsenic acid, alcohol, ether, capsicum, sodium nitrate, orange-peel, orange-peel oil, precipitated calcium carbonate, gentian-root and preparations thereof, ferric chloride (ferrum sesquichloratum), talc, chamomiles, silver nitrate, fused silver nitrate in sticks, naphthaline, zinc chloride, zinc oxide, zinc sulphate, valerian-root and preparations thereof, and zedoary-root.

Switzerland.—The Federal Council has issued a decree, to take effect June 15, extending the prohibition of articles to be exported to quite a new series—notably natural wine up to 15 degrees of alcohol, unfermented wine in casks, and cotton waste. Exceptions are made, in so far as they have not already been prohibited from export, in the case of medical and surgical instruments and apparatus, clinical thermometers, tanning material of all kinds, raw vegetable and animal material and products of vegetable and animal origin for pharmaceutical use, raw material for the chemical industry, coal-tar anilin, oil and salt of anilin, and combinations of anilin used for the manufacture of colours.

Personalia.

Mr. W. A. Knight, Ph.C., dispenser at the Southwark Infirmary, has been granted special leave of absence on Saturday afternoons during the next four months to attend Volunteer drills.

Mr. E. F. Stone, chemist and druggist, of Stone & Son, chemists, Exeter, has sailed on board the hospital-ship *Abbassieh* for service as a dispenser in one of the Montenegrin war hospitals under the Wounded Allies' Relief Committee.

Italian News.

Increase of Prices.—As a result of the greatly increased prices of many drugs, pharmacists are asking for some revision of their fixed tariff rates of payment. Communal dispensing means a decided loss to the pharmacist at present.

Italian Pharmacists and Military Service.—Arrangements are being made through the Pharmaceutical Societies of the various provinces for the liberation of those pharmacists who desire to offer their services to their country. Great unanimity and enthusiasm prevail, and many pharmacists are volunteering for other than pharmaceutical service.

Sale of Quinine.—Two cases of attempted suicide by taking quinine were recently reported by the "Corriere della Sera." The would-be suicides were both women, and had taken about thirty quinine pastilles. The "Corriere della Sera" states that this drug is frequently resorted to for this purpose, and considers that there should be stricter control of the Italian State monopoly of the sale of quinine.

Status of Chemists in the Army.—The "Corriere della Sera's" Bologne correspondent states that the members of the National Union of Graduates in Chemistry resident in Bologne have presented to the Minister of War a petition pointing out the inferiority in the rank accorded to chemists now called up to serve with the Italian Army compared with that allotted to their medical, pharmaceutical, and veterinary colleagues, who rank as officers. The petitioners therefore request the Minister so to arrange that graduates in chemistry shall be granted commissioned rank, and, in view of the fact that chemistry has found a varied and hitherto unthought-of field in modern warfare, they shall be attached to those sections of the Army in which their technical knowledge will find the fittest and most useful application.

English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Testimonial to Professor Crossley.

Professor Crossley's students at the Pharmaceutical Society's School of Pharmacy from 1904 to 1914 will present him with a handsome inlaid mahogany writing-table, together with an album of autograph signatures of subscribers, at his residence on June 24, at 8 P.M. Subscribers, who are cordially invited to attend the presentation ceremony, may obtain particulars from the Hon. Secretaries, Messrs. Morrell and Pratt, 86 Bedford Road, Clapham, London, S.W.

Soft Soda-glass for X-ray Bulbs.

The Glass Research Committee of the Institute of Chemistry find that a glass such as that made from formula No. 10 (see *C. & D.*, April 24, p. 91), and recommended for *x*-ray bulbs, does not give a green phosphorescent glow if it is made from approximately pure materials. The slight glow given is blue. In view of the fact that a green phosphorescence appears to be preferred by users of *x*-ray tubes, it seemed desirable to determine the conditions for obtaining this effect. It has been traced to the presence of manganese, and such a glass as No. 10 will give this green glow if manganese dioxide is added to the batch mixture in the quantities frequently used to correct the colour due to iron.

Birmingham.

Mr. H. Howes, chemist and druggist, 238 Bristol Street, is giving up business owing to the expiration of his lease.

Much sympathy has been extended to Mr. A. W. Gerrard, Ph.C., F.C.S., on the death of his wife last Sunday, June 13.

The customary Degree Day will not be held at the University this year owing to the war. All degrees will be conferred *in absentia*.

The Dunlop Rubber Co., Aston Manor Works, are establishing new works at Bromford, on a site of 71½ acres purchased from Birmingham Corporation.

Mr. Wilfrid Hill, proprietor of the County Chemical Co., Ltd., has taken Martello Towers, Canford Cliffs, Bournemouth, for six months. Subsequently he hopes to settle on the Worcestershire side of Birmingham.

West Bromwich Guardians have appointed Miss E. H. Newark, chemist and druggist, dispenser at the infirmary, at a salary of 50*l*. per annum, with a yearly allowance of 40*l*. until she becomes resident at the workhouse.

A useful article on Insect-pests and Fungoid Growths on plants, which will bring grist to the pharmaceutical mill, appeared in the "Birmingham Mail" on June 12. Among the remedies recommended were sulphur, quassia-chips, nicotine, and potassa sulphurata (1 oz. to 2 gals. of water).

"Well, sir, I had a drop of methylated spirits, and I suppose it had the same effect on me as drink," was the excuse of a woman brought before the Birmingham Stipendiary Magistrate on June 15 for being drunk and disorderly. She was fined 10*s*., with the option of seven days' imprisonment.

Mr. L. C. Tipper, a well-known political man in the city, has been marked out as a prospective candidate for one of the Birmingham divisions at the next General Election. Mr. Tipper is the proprietor of a large business at Balsall Heath, which is devoted to the manufacture of cattle-medicines, drugs, and specialities.

An unusual case under the Food and Drug Acts came before the Birmingham Magistrates at a recent sitting, Sir Thomas Barclay, Ph.C., in the chair, a Handsworth grocer being fined 20*s*. and costs for selling ground ginger adulterated with 9 per cent. of powdered chalk. The city analyst (Mr. J. F. Liversedge, Ph.C., F.I.C.) stated in evidence that ginger is usually washed before being submitted to the grinding process.

The Birmingham Pharmaceutical Association does not propose to hold the annual picnic this year in the form in which it usually takes place, but arrangements have been made to hold a picnic at the Botanical Gardens, Edgbaston, on June 30, meeting on the lawn in front of the Exhibition Hall at 3 P.M. A programme is in course of arrangement, and includes tea at 4.30 in the annexe. Tickets, 3*s*. 6*d*. each, should be obtained not later than June 26, from the Secretary, Mr. F. Smith, 221 Soho Road, or from any of the stewards.

It is suggested that the Sturge statue at Five Ways should be removed to a plot of land acquired by a number of Edgbaston residents and presented to the city as a rest-place, on account of the increased volume of traffic at the present site. Members of the Sturge family have no strong objection to the removal of the statue, but point out that the island must remain for the safety of pedestrians, and that as the proposed new site is limited in size, the erection of the statue and fountain thereon would interfere with the original object in view when the site was purchased.

Liverpool.

"Bottles *are* bottles" nowadays: 13*s*. per gross is now asked locally for ordinary 8-oz. graduated, which in "piping times of peace" could be got for 8*s*. 6*d*.

There seems to be an approaching famine in photographic papers. Some makers, especially of self-toning paper and postcards, are reducing the number of pieces in packets. One local firm who used to give twenty-five self-toning postcards for 1*s*. now charge 1*s*. per dozen. Some "professionals" have been visiting retail chemists and buying up what stocks they can.

Manchester.

Pharmacists in Oxford Road and district will close their pharmacies on and after June 1 at 9 P.M. on four days of the week, 9.30 P.M. on Fridays, and on Saturdays at the usual hour. Hitherto 10 P.M. and 10.30 P.M. have been the usual closing-hours through the week.

The establishment of Mottershead & Co. under the Royal Exchange is at present, owing to extensions and alterations in connection with the new Royal Exchange, overshadowed by a verandah-like scaffolding. The company are utilising the lower part of the outer hoarding as a signboard.

Sheffield.

The restricted railway service for goods-traffic is causing the greatest inconvenience to chemists, the London service particularly being greatly reduced. It is almost impossible to get empties returned, and after weeks of accumulation the question of storage becomes serious. It is advisable to try all the railway companies running into Sheffield, as it is found that all the routes to London are not closed at the same time.

At the meeting of panel chemists on June 10 (p. 53), Mr. C. H. Hewitt moved that the Secretary be instructed to write to the Pharmaceutical Society asking them to take the necessary steps to procure a war badge for chemists who are actively engaged on State and other dispensing, as the drain on assistants is fast becoming so serious that an adequate service will be unobtainable to meet the civil and legal requirements of the country. Letters were received from several chemists asking if the public could be induced to shop earlier, and so relieve the rush in the evening caused through shortage of assistance.

Contracts for Drugs, etc.

The following information regarding contracts for drugs and other articles in which subscribers are interested has been received during the week:

Chard Guardians.—Mr. A. W. Sanders, chemist, Chard, drugs.

Cranbrook Guardians.—Mr. A. J. Gray, chemist, Hawkhurst, medical appliances.

H.M. Indian Government.—Arthur H. Cox & Co., Ltd., Brighton, pills.

Lambeth Guardians have been recommended to renew their contracts with The British Drug Houses, Ltd. (drugs), and S. Maw, Son & Sons (sundries) for three months.

London County Council (Asylums Committee).—Houghtons, Ltd., photographic plates and paper; Wodderspoon & Co., clinical charts.

Milton Regis Guardians.—Mr. H. T. Maundrell, chemist, Milton-next-Sittingbourne, chemists' goods.

St. John's Hospital, Twickenham.—Mr. C. J. G. Bunker, chemist, Twickenham, drugs.

Stockton Guardians.—Mr. T. W. Salmon, chemist, drugs.

Walsall Town Council.—Sanitas Co., Ltd., pine blocks.

Weardale Guardians have decided to purchase a medicine-chest for the Workhouse at a cost of about 8*l.* 10*s.*

Miscellaneous.

Fire.—Considerable damage was done by a fire at the works of the Clayton Aniline Co., Chatham Street, Manchester, on June 14. Two workmen were injured.

Poisons and Pharmacy Act.—Mr. George A. Lodge, florist and seedsman, 12 Silver Street, Wakefield, has applied to the Local Authority for an agri-horticultural poison-licence.

Sweets Containing Alcohol may only be sold by persons licensed to retail spirits. Morris Greenstein, a Spitalfields confectioner, agreed to pay a mitigated penalty for infringement.

Early Closing.—The Barnstaple chemists announce that from June 14 to October 1 their pharmacies will be closed on Mondays, Tuesdays, and Thursdays at 7.30 p.m., instead of 8 p.m.

Bathing Fatality.—The first bathing fatality at Bournemouth this season occurred on June 16, when a young Welshman named Dean Davies, a chemist's assistant, was drowned in the sea at Durley Chine, where he had gone for a bathe.

Ealing Town Council has decided to circularise all the medical practitioners in the borough, informing them that in future the Council will be prepared to pay for the bacteriological examination of swabs taken from diphtheria patients (or suspected cases) who (or whose parents) are unable to pay for such examination.

Wheat Bridge Works of Robinson & Sons, Ltd., Chesterfield, was the scene of an outbreak of fire on the morning of June 13. The automatic sprinklers, however, quenched the fire, and the services of the fire-brigade were not required. Only slight damage was done. The strike of box-makers at the works has been settled.

Factory Fire.—Owing to some grease-casks having been placed in too close proximity to some hot ashes, a fire broke out in the London Road factory of Boots' Cash Chemists, Ltd., at Nottingham, early on the morning of June 12. The night watchman was able to extinguish the flames before the arrival of the fire-brigade.

Midday Closing.—Mr. G. J. Gostling and Mr. Thomas Wilson, chemists and druggists, Stowmarket, announce that, in consequence of shortage of labour, they find it necessary to close their pharmacies daily from 1 to 2 p.m. A. G. Chamberlain & Co., pharmaceutical chemists, 3 Market Place, Rugby, announce that, owing to several members of their staff having joined the Army, their premises will be closed daily from 1.15 to 2.15 p.m.

Chemists' Defence Association.—At the annual meeting, to be held at the Salisbury Hotel, Salisbury Square, Fleet Street, London, E.C., on Thursday afternoon, July 8, Rule 9 is to be altered as follows:

Present Rule.	*New Rule.*
"The Association shall, subject to these Rules, pay and make good to the member all sums for which the member shall become legally liable as compensation for bodily injury or death caused to any person not in his employment by errors committed by the member or any of his assistants in dispensing medicine or retailing any article usually sold by chemists in any of his shops for which a current subscription has been paid during the period of twelve months covered by the subscription for such shop. The decision of the Directors as to whether the article retailed is an article usually sold by chemists shall be final and binding upon the member."	"The Association shall, subject to these Rules, pay and make good to the member all sums for which the member shall become legally liable as compensation for bodily injury or death caused to any person not in his employment by errors committed by the member or any person in his employment in dispensing any medicine or selling by retail (but not by wholesale) any article usually sold by chemists in any shop for which a subscription current at the time of such dispensing or sale has been paid. The decision of the Directors as to whether the transaction out of which any claim arises is a dispensing of medicine or a retail sale of any article usually sold by chemists shall be final and binding upon the member."

Lighting Restrictions.—As a result of representations by the Halifax Chamber of Trade the local authorities have modified the lighting restrictions, so that tradesmen may use ordinary window lighting and are no longer required to draw their blinds. Naked lights must, however, be shaded so as not to throw a direct glare on the footpath, and no outside lights are permitted.

North London Chemists' Outing.—It has been arranged that a combined outing be held on July 8 by the North London Chemists' Association and the Ucal Lodge of Pharmacy. It will take the form of a launch-trip on the Thames, which will start from Mear's Pier, Richmond, at 3 p.m. Tickets (4*s.* 6*d.* each) can be had from Mr. Herbert Skinner, The Dispensary, G.N.C. Hospital, Holloway Road, London, N., or any ward officer.

War-time Shopping.—The Cheltenham Traders' Association, acting on a resolution put forward by Mr. Harold Miller, director of the United Chemists' Association, Ltd., High Street, Cheltenham, are printing for display in the business establishments of the town an appeal to the public to facilitate business during the war-shortage of assistants. Several directions in which help may be rendered are indicated, the most prominent being that purchasers shall carry home small parcels, or, where goods cannot conveniently be taken home, the option of delivery on the following day shall be given.

Poisoning Cases.—Four of the six deaths due to poisons chronicled during the week were suicidal cases. The poisons implicated were carbolic acid, laudanum, a poisonous liniment, and vermin-killer, the latter being purchased from a chemist and signed for in the usual way. A vagrant died at Douglas, I.O.M., as a result of drinking nearly a pint of methylated spirit. A *post-mortem* examination showed that he had been without food for a considerable time. At Hove, a woman died through taking by misadventure an overdose of sulphonal. The drug was purchased from Boots Cash Chemists, Ltd., in the ordinary way of business, and the woman was warned by the manager of the shop as to the dangerous nature of the drug. She seemed to know all about it, and there was nothing in her manner to arouse suspicion. The Coroner agreed that there had been nothing improper in the sale, but thought it would be as well if the chemists' address appeared on the bottle as well as on the carton. Mr. Kirby, who represented Boots Cash Chemists, Ltd., said they followed the usual practice, but he would represent to the company what the Coroner had said. The jury, in returning a verdict of "Death from misadventure," added that, in their opinion, sulphonal and similar drugs should only be sold to the public under doctors' orders.

Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

The Londonderry Board of Guardians have appointed Mr. R. F. Blake, Belfast, as analyst to the Union.

Mr. J. E. O'Neill, J.P., druggist, Maghera, has been re-elected Vice-Chairman of the County Council of Londonderry.

Mr. D. W. Elliott, Ph.C., was at the annual meeting of the South Belfast Unionist Association on June 11 elected a member of the General Committee.

Prior's Medical Hall, Londonderry, are advertising in the local papers that owing to the depletion of staff, due to the war, it has been decided to close the premises on Sunday, except from 10 to 11.30 a.m., from 3 to 5 and from 7 to 10 p.m.

Complaints are being made regarding the prevalence of methylated-spirit drinking in the North of Ireland, and the presiding Magistrate at Belfast suggests that only respectable and responsible chemists should be allowed to retail methylated spirit.

The tenders of the Cork Chemical and Drug Co., Ltd., for medicines at 16¼ per cent. off Local Government Board list-prices, and for appliances at 30½ per cent., and that of Fielding for proprietary articles at 18½ per cent. off, were accepted by the Governors of the North Infirmary, Cork.

The Local Government Board have intimated to the Bawnboy Board of Guardians that if they persist in accepting the tender of Fannin & Co. for appliances in preference to that of Connor & Sons, Newry, who offered more favourable terms, the Board cannot allow recoupment. The Guardians, in reply, state that the contract was accepted on the advice of the medical officer.

The Divisional Order of the 36th Division of the New Army of June 12 states that Captain H. R. Haslett, 9th Battalion Royal Irish Rifles, qualified at the eighth rifle course at the Irish Command School of Musketry, which ended on June 8, taking a first class, and being also honoured by special mention as "distinguished." Captain Haslett is a member of the firm of J. & J. Haslett, Ltd., North Street, Belfast.

In the Belfast Children's Court on June 10, the Stipendiary (Mr. Garrett Nagle) gave his decision in the case in which a boy named John Duffy was charged with having on May 27 unlawfully and maliciously set fire to the premises of Mr. Samuel Gibson, druggist, King Street (see *C. & D.*, June 12, p. 37). Mr. Nagle said he could not find sufficient evidence of criminal responsibility, and he discharged the accused.

The Belfast business men's recruiting committee, which has just been formed, includes several who are prominent in the drug-trade. On the East Belfast district group Mr. J. Carroll Culbert, Ph.C., is a member; in the North Belfast district group, Mr. R. W. McKnight, Ph.C., Carlisle Circus, and Mr. T. N. Moffett, Ph.C., Crumlin Road, are members; on the South Belfast district group Mr. Thos. Robb, Ph.C., Lisburn Road, and Mr. Wm. Haslett, R.D., are members; and in the Central Belfast district Mr. James Tate, Ph.C., Royal Avenue, Mr. W. C. Dobbin, Ph.C., North Street, and Mr. W. J. Hardy, Ph.C. (Davidson & Hardy), are members. On the general committee Mr. J. Horner Haslett, Ph.C. (J. & J. Haslett, Ltd., Royal Avenue), and Mr. Thos. McMullan are members. Mr. Robert Cambridge, J.P., R.D., has been appointed a member of the Carrickfergus Recruiting Committee.

Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

Owing to the scarcity of assistants the pharmacists of Falkirk, Grahamston, and Bainsford are closing from 1 to 2 P.M. daily.

Mr. W. W. Spence, chemist, Linlithgow, has been appointed a director of the Linlithgowshire Savings Investment and Building Society.

The equipment of a chemistry classroom was dispersed at an auction-sale in Dundee on Tuesday, June 15. There were three chemical balances, three chemists' dispensing-scales, tincture-press, mortar and pestle, chemical apparatus, stands, glass tubing, and chemicals.

Edinburgh.

Major Rose, of Craig & Rose, Ltd., has been appointed Chairman of the local School Board.

Boots Cash Chemists, Ltd., are closing one of the branches of Gibson & Co., recently taken over by them, and the premises are "to let."

Following the ruling of the Insurance Committee disapproving of chemists supplying "repeat" prescriptions on the request of insured persons, even though the latter offer to pay for the medicine (*C. & D.*, May 29, p. 57), the Clerk to the Committee (Mr. James Russell) has issued a circular letter to dispensing contractors stating that the Committee is advised that chemists have no right to give such "repeats," and they must be refused.

Fife.

Aërated waters have been advanced ½*d.* and 1*d.* per bottle in certain districts. The reason given is the high cost of sugar and the upward trend of wages.

Chemists are not the only sufferers under the discounting clause. Doctors on the panel have been subjected to a 25-per-cent. discount on their last payments.

Stationery is becoming an increasing side-line with country chemists, who consider that it is a branch of business well worth cultivating, being dainty to handle and yielding a good profit.

A Fife doctor has propounded a theory for meeting the German noxious gases. He suggests that ammonia shells should be made which, when exploded into the chlorine or nitrous-oxide cloud, would fix the gases and form a harmless compound. He also suggests the diffusion of ammonia under high pressure from the trenches embankment, the gas to be stored in cylinders and capable of being discharged a distance of twenty yards. A local chemist suggests the manufacture of ammonia shells to be exploded in the German trenches, and thereby show our retaliation. The theories are good, but would require technical experts. [Similar suggestions have been made elsewhere, and all ignore the ammonium-chloride cloud formed and its probable effect upon the operations.—Editor *C. & D.*]

Glasgow and the West.

Glasgow Corporation Bacteriological Department has received from Professor Irvine, St. Andrews, a supply of dulcitol for bacteriological purposes, until now practically unobtainable since war broke out.

Much difficulty is being found in arranging holidays for chemists' staffs, so many assistants having joined the Colours in various capacities, and locums can scarcely be got. There are practically no medical locums either.

There is a feeling among medical men and chemists that this is an opportune time for an exhibition of British and Allied nations' productions in relation to medicine, pharmacy, and surgery. Such a movement, it is said, would stimulate and encourage research, and would foster professional brotherhood among the nations.

French News.

(From the "C. & D." Paris Correspondent.)

Customs-duty on Iodine.—The Customs-duty on crude or refined iodine (4f. per kilo.), which was suspended or temporarily abolished by the decree of August 14 last, has now been re-imposed.

Counteracting Poison-gas.—The Paris Academy of Medicine has adopted the following formula for a solution for use against poisonous gases: "Hypo," 1 kilo.; carbonate-of-soda crystals, 200 grams; glycerin, 150 grams; water, 800 grams. [This is substantially the formula published in the *C. & D.*, June 5, p. 33.]

A Changed Name.—The "Journal der Pharmacie von Elsass-Lothringen" has been renamed the "Zeitschrift für die Apotheker in Elsass Lothringen." It was founded in 1874 as the "Journal de Pharmacie d'Alsace-Lorraine," and changed its title in 1888 by order of the German Government. M. Albert Bastian, pharmacist at Strasburg, has replaced M. Wolff, of Mulhouse, as editor.

"Undesirables."—The Academy of Sciences has decided that the German professors who signed the notorious "appeal to civilised nations" in favour of Teutonic Kultur shall be struck off the list of members. The names effaced include those of two professors of chemistry—Emil Fischer, of Berlin, and Adolf von Baeyer, of Munich. [Both of whom are Honorary Fellows of the Chemical and Royal Societies of London.—Editor *C. & D.*]

Cocaine Fiends.—Pursuing his campaign against cocaine-dealers, M. Thiéry, Commissioner of Police of the district of Saint Georges, Paris, betook himself the other night to the Hôtel Olympic, where a number of men and women were partaking of the narcotic drug. The supplier of the *cocainomanes*, a man named Malassa, living in Rue Pigalle, his lady friend, and two accomplices have been arrested, and the pharmacist who supplied Malassa is also in trouble.

Disinfection in the Trenches.—M. Bordas, assistant to Professor d'Arsonval at the Collège de France, in a communication presented to the Académie des Sciences dealing with sanitation and disinfection of the trenches and battlefields, suggests oil of tar, diluted with ten times its volume of water and emulsified with resin soap, as a suitable disinfectant. The author states that this liquid

could be projected to a considerable distance over the spaces which separate our trenches from those of the enemy.

"Sonnets de Guerre."—The pharmacist poet who alternately wields the pestle and plays the lyre (modestly hiding his identity under the pseudonym of "Pascalon"), has temporarily ceased to sing "in magic numbers and persuasive sounds" of the *officine* and similar professional subjects. His muse—like the minstrel boy—"to the war has gone," and his "Sonnets de Guerre," dedicated to the French army, have been published in a forty-page pamphlet, the profits of which go to the Red Cross and kindred institutions. Free copies have been sent to soldiers at the Front and in hospital.

Princely Bequests.—The will of M. Loutreuil (a wealthy French engineer who, after long residence abroad, has just died in his native land) contains some magnificent bequests to scientific institutions. He leaves 3,500,000f. (140,000*l*.) to the Academy of Sciences. The interest of the sum is to be employed to "encourage the progress of science of every kind." The University of Paris is to receive 100,000*l*., to be applied to the same object; the Scientific Research Fund 40,000*l*.; and the Pasteur Institute 4,000*l*., "to fight against infectious maladies of cattle, particularly foot-and-mouth disease."

Sherlock Holmes—Chemist and Scientist.—The Technical Laboratory (chemical, biological, and physical) which has just been added to the Paris Palace of Justice, was organised by M. Mouton (director of judiciary police). It is in the anthropometrical section of the building, and experts attached to this service will be sent out when necessary to the actual scene of crime, and employed to examine on the spot suspicious traces, finger or foot prints, any litter, rubbish, stains on clothes or furniture which might throw light on doubtful points and assist the Magistrates in their task of investigation.

"Leucoplaste."—In an article of the "Revue Scientifique," Dr. Pinssau, a French army surgeon, warmly recommends "leucoplaste" for surgical dressings. Though this name has been registered in France by a Hamburg firm as its exclusive property, the article itself, a rubber-covered plaster prepared with oxide of zinc, was invented by M. Ferdinand Vigier, the well-known pharmacist of the Grands Boulevards. This class of bandages is known in France under such names as "sparablanc," "adhesive bandage," and "rubber bandage," but it is doubtful if the average French surgeon is aware of the fact.

Prohibition of Absinthe.—The decree forbidding the sale, etc., of absinthe has now been formally passed into law. It stands on the statute-book as follows:

"The manufacture, wholesale and retail sale, and circulation of absinthe and similar liquors alluded to in Article 15 of the Law of January 30, 1907, and Article 17 of the Law of December 26, 1908, are forbidden."

Contravention of this provision is punished by the closing of the establishment; and certain fines can also be levied should the Excise authorities deem additional punishment necessary. The law is applicable to Algeria and the French Colonies, as well as to France.

South African News.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

The Union.

The Quarter's Trade.—In spite of the war, the imports of drugs and chemicals into the Union appear to be well maintained, the values for the quarter ended March 1915 being 221,598*l*., against 228,114*l*. for the corresponding quarter of 1914. Larger imports of sodium cyanide are recorded for the quarter—viz., 2,805,930 lb., against 2,600,406 lb.—thus showing progress in the gold-mining industry Calcium carbide is a big item—2,389,635 lb., against 1,706,459 lb. The imports of glycerin (chiefly dynamite) increased from 2,761,800 lb. to 3,023,000 lb. Other raw materials for manufacturing industries were imported in larger quantities, but, curiously enough, pharmacy has taken a quiet turn, medicinal preparations falling from 30,300*l*. to 20,800*l*., and apothecaries' wares from 40,380*l*. to 28,030*l*.

Cape Province.

"Romance of Medicines."—The lecture with this title which Mr. Howard Ferguson, of Petersen, Ltd., gave before the Pharmaceutical Society on April 15 (*C. & D.*, May 15, p. 38), has been printed in pamphlet form. The lecture occupies twenty pages, is very interesting historical reading and has a white cover with gold lettering.

The P.A.T.A. of South Africa has issued to chemists a circular letter on the value of window-shows. It is stated that while a couple of carboys and a specie-jar are certainly a display of "tone," they are really poor business-bringers, and the window of a drug-store situated in a busy street should be made to earn money. In these days up-to-date chemists should seize opportunities, not only of displaying their own proprietary lines, but those of manufacturers who advertise largely, are members of the P.A.T.A., and supply material for an attractive display. Successful results must follow when material is rightly used. The article displayed should have the price-ticket attached, and the pharmacist need have no fear of attaching his price if he is a member of the P.A.T.A.—The Association has issued a circular notifying members that a certain firm in Rhodesia has cut the protected price of the Sanatogen Co.'s products, and that the firm in question is not to be supplied with any protected articles whatsoever by members of the Association who belong to either the Manufacturers', Wholesalers', or Retailers' Section. The Council will have to place on the "stop list" any dealer who, in face of the intimation, continues to supply to this or any other "cutter."

Natal.

Wattle-bark.—It is understood that a strong movement exists among wattle-growers and others interested in the subject for the establishment of a wattle-extract company in Natal. It is said that a company will be registered at an early date, and that the sum of 20,000*l*. has already been subscribed for the purpose of erecting a factory.

O.F.S. Medical and Pharmacy Council.

At the monthly meeting of the above Council held at Bloemfontein on May 21, the Secretary read a letter from the Under-Secretary for the Interior suggesting that chlorodyne should be placed in Division II. of the Poisons Schedule to Ordinance 1 of 1904. The poisons included in that division may not be sold unless the label bears (1) the name of the article, (2) the word "Poison," (3) the name and address of the seller. When such poisons are sold on medical prescriptions they need not be labelled "Poison," but an entry has to be made in the prescription-book of the date of sale, the name and address of the purchaser, and the ingredients of prescription. The letter forwarded reports made by Commissioners of Police of the Union in regard to the habit of chlorodyne-drinking in their respective districts. The Commissioner for the O.F.S. Province stated that the habit is unknown in his district. The Council was asked for its views as to the suggestion. Mr. Hewitt, one of the pharmaceutical members, said he was not in favour of the suggestion, as he thought the inclusion of chlorodyne in the Poisons Schedule was unnecessary. The second division included preparations of morphine, and the interests of the public would therefore be sufficiently safeguarded as chlorodyne usually contained morphine. It would be inadvisable to specify chlorodyne, as the Council had found it inexpedient from past experience to include proprietary medicines with popular names in the Poisons Schedule. He mentioned the fact that in the original Ordinance a third division of the Poisons Schedule had been included containing the names of Dutch patent medicines, but that it had been repealed owing to the outcry it caused. Moreover, the preparations varied so much that in one case where a person had been prosecuted for selling one of these medicines it was proved as a fact that it did not contain any poison. Dr. Targett Adams, the Assistant Medical Officer for the O.F.S. Province, agreed with Mr. Hewitt's views, and thought that as it was probable that a pharmaceutical law for the whole Union would be introduced shortly, it would be better if the Council held its hand in regard to chlorodyne and recommended that the Government should, in the proposed Bill, deal with the whole question of poisons. The inclusion of chlorodyne was not an urgent matter. It was resolved, on the motion of Dr. Targett Adams, seconded by Dr. Friedmann, that the question of including chlorodyne in Division II. of the Poisons Schedule be postponed, and that the Council recommend that the Government reconsider the classification of poisons as a whole in view of the proposed legislation.

Russian News.

PHARMACISTS EXEMPT FROM SERVICE.—The Russian Society for the Promotion of the Development of the Chemical Industry has been successful in obtaining exemption from the call to the Colours of the reservists and those liable to the first summons to the landsturm, of all owners of and assistants in pharmacies and drug-stores.

OZOKERITE AND CERESINE WAX.—H.M. Consul at Warsaw reports that a large firm in that city, owning important mines in the region of the Caspian Sea, wishes to enter into direct business relations with United Kingdom importers of ozokerite and ceresine wax. The firm, which claims to possess very large ozokerite-mines, states that before the war British manufacturers and merchants bought the crude ozokerite or refined product (ceresine wax) in Austria and Germany, the Austrian and German sellers in turn buying from the Russian firm in question. The ozokerite produced by the firm is stated to be hard, pure, of dark-green colour, free from asphalt, etc., and has a very high melting-point (79°-80° Celsius guaranteed). The firm adds that it is constructing its own refinery and factory for ceresine wax in Russia, and hopes to place its product on the market not later than July-August.

German News.

A DECREE of the German Diet of April 29 prohibits the use of fixed oils for oiling floors.

THE WAR EXAMINATIONS for medical and pharmaceutical students in Germany have been abandoned because of the numerous objections that have been brought against the premature admission of these students to the practice of medicine and pharmacy.

PROFESSOR E. VAHLEN has been appointed provisionally Director of the Pharmacological Institute in Halle, in succession to Professor Harnack. He will also deliver the lectures and take charge of the practical work in pharmacology during the summer semester.

GERMAN WAR ON FLIES.—The "Phar. Zeit." states that reports from German hospitals indicate that the fly danger may be successfully combated by the use of little sticks covered with a mixture of one part of honey, three parts of castor oil, and six parts of colophony resin.

THE PHILOSOPHICAL FACULTY OF BERLIN UNIVERSITY has decided that all students who have obtained their doctorate, but have fallen for their country before graduation, will be granted the title of "Doctor of Philosophy and Doctor of Free Arts" in order "to keep their memory alive in the annals of the University."

PROHIBITION OF SALE OF YEAST, ETC.—Notwithstanding the official prohibition, the baking of cakes continues in many private households. In several districts, therefore, the authorities, in order to enforce the prohibition, have prohibited the sale of yeast and baking-powder. The decree also applies to the sale of ammonium carbonate for use as a baking-powder.

SPIRIT REGULATIONS.—The quantity of undenatured spirit furnished to applicants during May was 2 per cent. of the average quantity purchased by them during 1913-14. Persons who did not purchase such spirit during that year were therefore unable to obtain supplies. Pharmacists and manufacturers of medicines are exempt from this regulation.

NEW TRADE-MARK NAMES that have recently been registered in Germany are: "Ovoides," for medicaments in the form of menthol-dragées; "Barbaethyl" and "Barbiton," for diethylbarbituric acid; "Chinosalyl," derived from the same words as "Salochinin," which has been registered for the past fourteen years by Bayer and Zimmer for quinine salicylate; and "Ferrustan," for a mixture of iron saccharate and magnesium oxide.

PRICE ADVANCES IN GERMANY.—In consequence of the commandeering of raw material, the Association of Manufacturers of Wound-dressing Materials has decided to advance prices by 25 per cent. The "Verein Deutscher Medezinglas und Flakonhütte" have advanced their prices, and the "Verein Deutscher Glasinstrumente Fabrikanten" have increased the prices of glass apparatus by 5 per cent. and those of thermometers by 10 per cent.

THE TRADE WAR.—Supplements issued with recent editions of the "Chemische Industrie" contain translations of many speeches and articles which have been published in Britain on the trade war against Germany. Those so far issued include speeches by Sir William Ramsay, Professor F. Mollwo Perkin, and others, as well as various articles from periodicals, including letters or speeches by Lord Moulton, Professor Raphael Meldola, Sir William Ramsay, and Sir Henry Roscoe, which have been mentioned in the *C. & D.*

MALT EXTRACT.—The malting of grain has been prohibited in Germany for some time, but the Imperial Chancellor issued in April permission to malt barley for making extract of malt for pharmaceutical purposes, especially for the army. By a further decree of May 17, all holders of malt are obliged to sell it through the "Deutscher Brauerbund E.V.," and also to dispose of it to this corporation if so required. These stipulations, however, do not apply to stocks of malt required for the preparation of pharmaceutical commodities, such as extract of malt or "Malzkaffee," etc.

GERMAN METHODS IN ALSACE-LORRAINE.—The "Zeitschrift für die Apotheker von Elsass-Lothringen" complains that decrees issued by the military authorities seriously affect the pharmacists of Alsace-Lorraine. One of these prohibits the import, export, distribution, and even the possession of periodicals originating in foreign countries, except Austria-Hungary, including trade journals, such as Belgian and Swiss pharmaceutical papers. Written correspondence with persons not residing in Alsace-Lorraine is also prohibited. The President of the Alsace Society of Pharmacy has been informed that it is desirable to postpone the meetings of the Alsacian "Apothekerkammer" till after the war.

THE DEUTSCHE CHEMISCHE GESELLSCHAFT, at a recent meeting in Berlin, debated the question as to whether the name of Sir William Ramsay should remain on its roll of honorary members, on account of the way in which he has written and spoken of scientific, economic, and political Germany. According to the by-laws, persons who endanger the dignity of the Society can be excluded from membership. After a long discussion, the Society decided that, on the conclusion of peace, Sir William Ramsay should be called to account for his words. The "Apotheker Zeitung" offers only one comment on this decision: "*O du arme, dumme, deutsche Langmut!*" ["Oh, poor stupid German long-suffering!"]

FIRES IN GERMANY.—The "Pharmaceutische Zeitung," in a recent issue, commented on an alarming series of fires that have broken out recently in factories and warehouses of foodstuffs and war-materials. Some weeks ago a mill in Breslau, in which about 60,000 centners of corn was stored, was burnt to the ground, and a like fate befell a large factory of forage and foodstuffs in Magdeburg. Several other fires reported in May included a factory for the manufacture of cases for the transport of ammunition and a spirit-factory in Berlin, as well as a large chemical-factory at Lauenthal, near Dantzig. Moreover, enormous quantities of metal have been stolen from one of the official metal-repositories. The "P.Z." expresses alarm at these conflagrations, the origin of which is wrapped in mystery, and considers them in the light of a revenge for the German submarine campaign. Later issues of German pharmaceutical papers also contain accounts of mysterious fires, including an outbreak at an airship-factory at Henningsdorf. Only in one case has a satisfactory cause been found and the culprits discovered, two Italians having been arrested in connection with a fire at a mill containing stores of corn destined for the army.

THE GERMAN NITROGEN MONOPOLY.—The deliberations of the Special Committee of the Reichstag charged with consideration of the nitrogen problem (*C. & D.*, March 27, p. 46) is awaited in chemical circles with some anxiety, as the manufacturers of nitrogenous products fear that after the war the monopoly may seriously prejudice existing works. This is explained in a pamphlet published by the Chemische Fabriken vormals Weiler ter Meer, Merdingen, which demonstrates that the establishment of such a monopoly is not urgent. It is contended that if the Bill be passed the monopoly should be strictly limited to manures and explosives, and that the importation and buying of all raw materials and products should remain entirely free to existing chemical factories. The "Frankfürter Handelskammer," in a petition to the Minister of Commerce, puts forward the same objections, and expresses the fear that the monopoly will do serious harm to German chemical industry in general if foreign countries should be able to obtain saltpetre at lower prices than Germany. The "Handelskammer" also fears that the commercial monopoly will soon turn into an industrial monopoly. As representing the German superphosphate industry, the Society of German Manure Manufacturers has also presented a petition expressing the fear that the monopoly will have an unfavourable influence upon German agriculture.

Legal Reports.

Trade Law.

Pharmacy Acts.—At the Plymouth County Court, before Judge Lush-Wilson, K.C., on June 14, the Council of the Pharmaceutical Society of Great Britain claimed 5*l.* from E. W. Gay, under Section 15 of the 1868 Act, for unlawfully selling colchicine in the form of Eade's gout and rheumatic pills. It was stated that the purchase was made at the shop at 141 Exeter Street, Plymouth, over which the name Bailey appeared. The defendant was in charge, and he is not registered as a chemist and druggist. Mr. Thomas Tickle, F.I.C., F.C.S., proved that the pills supplied contained 0.38 grain of colchicine. The defendant did not appear, and judgment was entered against him.

Damage to a Shop.—In the case of Harris *v.* Shackleton, decided by Judge Tobin at the Hereford County Court last week in favour of the plaintiff, damages amounting to 35*l.* were asked by Mr. Harris, owner of the shop, 5 Widemarsh Street, Hereford, which the defendant, Mr. S. A. Shackleton, rented under an agreement, dated June 15, 1913, which provided that the tenant should keep all the glass in the windows, shutters, locks, fittings, etc., in repair—damage by fire excepted. Plaintiff gave defendant notice to quit on March 13, 1915, and now alleged that the tenant when leaving had torn away the fixtures from the walls, damaging the place. This, defendant pleaded, was due to the age of the property—200 years. His Honour gave judgment for the plaintiff for 10*l.*, with costs.

Suing Country Traders in London.—In the City of London Court on June 11, a City company sued a trader in Monmouthshire for 7*l.* 19*s.* 3*d.* for goods supplied. The defendant's counsel objected to the jurisdiction of the Court, and said that the goods were ordered in Wales, and were delivered there. Plaintiffs' solicitor explained that as the money was due in the City of London, that gave the Court jurisdiction. There had been a payment on account in the City. Judge Rentoul, K.C., said that all sorts of small amounts had been sued for in that court against little country traders in Wales or Cumberland. That iniquitous practice had ceased, he was glad to say. He preferred cases to be brought in the towns of the customers instead of the City of London. Eventually plaintiffs agreed to take 6*l.* 19*s.* 3*d.*, without costs.

Payments into Court.—In the City of London Court, before Judge Rentoul, K.C., on June 10, the International Sponge Importers, Ltd. (Cantor, Peterson & Co. branch), 6 Houndsditch, E.C., sued Nyman & Son, 35 Bell Street, Edgware Road, to recover 8*l.* 13*s.* 9*d.* for sponges and chamois-leather supplied. Defendants paid the larger portion of the amount claimed into court, but disputed the balance on the ground that they were entitled to certain deductions for discounts. In the course of the hearing, his Honour said it is unfortunate that the public do not know—he did not know it till he came to that court—that a payment into court is of no avail in avoiding the payment of costs of the action unless the payment is accompanied by the necessary costs. He gave judgment for the plaintiffs for the full amount claimed, with costs.

Injuries from Corrosive Acid.—In the Lord Mayor's Court, London, on June 15, before Assistant-Judge Jackson and a jury, Thomas Rickman, yardman, in the employ of the Electrical Power Storage Co., Ltd., sued F. W. Berk & Co., Ltd., manufacturing chemists, Fenchurch Avenue, E.C., for damages for personal injuries suffered owing to the alleged negligence of the defendants or their servants. It appeared from the evidence that on February 11 the plaintiff was unloading twenty carboys of corrosive acid sent to the Electrical Power Storage Co., Ltd., by the defendants, when the acid from one carboy splashed up against the stopper, through a hole between the stopper and the carboy, on to plaintiff's face. For six weeks he had to attend London Hospital, and Dr. Dyce Davidson, clinical assistant there, said the plaintiff had had an extremely lucky escape, but his eyesight was not injured. Major Toogood corroborated. For the defence, it was said that the liability of the defendants was completed when the carboy was put on the van. The jury returned a verdict for the plaintiff, awarding him 34*l.* 12*s.* damages, and judgment was entered accordingly, with costs.

Leaving without Notice.—The following two remarkable decisions were given in the City of London Court last week. The first case came before Judge Atherley Jones, K.C. It was Henry T. Cook & Co. *v.* Alfred Taylor, a packer, who was sued for 24*s.* as damages for leaving the plaintiffs' employment without notice. His Honour held that the defendant had committed a breach of employment, but he could only give nominal damages (none having been specifically proved)—2*s.* 6*d.* The second case, Atkinson *v.* Tomlin, was decided in the same court, on the same day, by Mr. Registrar Wild. The plaintiffs sought 1*l.* 11*s.* 6*d.*, damages for breach of contract, and return of money paid. After hearing the evidence, the Registrar remarked to defendant: "You knew very well if your master dismissed you without notice you would have very soon found there was an agreement by which a weekly servant was entitled to notice. What is sauce for the goose is sauce for the gander." Judgment was entered for the plaintiffs for 27*s.* (a week's wages), to be paid at the rate of 5*s.* a month.

A Sanaphos Trade-mark.—In the Chancery Division on Tuesday, June 15, Mr. Justice Sargant heard an appeal by the British Milk Products Co., Ltd., 69 Mark Lane, London, E.C., from a decision of the Registrar of Trade-marks refusing to register as a trade-mark the name of the company in script form on the ground that it was not of the special or particular distinctiveness required by the Trade-marks Act. Mr. Sebastian, who appeared for the company, said their object was to distinguish between British and foreign goods. The Registrar said the fact that the name was in script form did not differentiate it from the name in any other script, and something more personal was required than the name of the company. Counsel supported his application by reference to previous judicial decisions. He handed up to his Lordship a "Sanaphos" carton to explain his meaning. Mr. Austen-Cartmell appeared on behalf of the Registrar of Trade-marks and said he opposed the application. His Lordship, in dismissing the appeal, with costs, said that in his opinion the name of the company was not represented in a special or particular manner, within the meaning of the section of the Trade-marks Act, by the fact that it was written in more or less ordinary handwriting. He thought that the remarks of the House of Lords in the "W. & G." case applied here also.

Is a Nurse a Domestic Servant?—In the City of London Court on June 11, the case of Travers *v.* the City of London Board of Guardians came before Judge Rentoul, K.C., for hearing and decision. The plaintiff was not a chemist, but a male nurse employed as such by the defendants, and he sued them for 2*l.* 14*s.* 10*d.*, balance of salary, advance in lieu of rations, clothing, and lodging. For the defendants it was contended that plaintiff could not recover more than his salary. Nothing could be obtained for food and lodging. Judge Rentoul believed that had been decided, but doubted whether it was applicable to the plaintiff's case. Mr. Bonser (for defendants) said that as plaintiff was a domestic servant he could not get anything for food. Plaintiff indignantly denied that a male nurse was a menial servant; he was a Poor-law officer. He did not do menial work. He was a nurse. Judge Rentoul: If you speak to a sister or a nurse who wears the uniform of an institution, and suggest she is a domestic servant, I think you would regret it. (Laughter.) I think a male nurse would hardly come within the title of a domestic servant. I am wondering whether "wages" does not include food and lodging, or money in lieu. This is a novel kind of a case. There are various sorts of menial servants, but I do not think the plaintiff is one. Ultimately his Honour gave judgment for the plaintiff for 2*l.* and costs. Leave to appeal was refused.

Embossed Bottles.—In the Justiciary Appeal Court in Edinburgh on June 11, appeals by D. & J. McCallum, beer-bottlers, Edinburgh, from the judgment of Sheriff-Substitute Orr in their action against Thomas Doughty, grocer, Edinburgh, under the Merchandise-marks Act were heard and disposed of. The appellants had the words "D. & J. McCallum, Edinburgh," on their bottles, and Doughty used these bottles. The Sheriff-Substitute found that it was not proved that, according to the custom of the trade, these words were commonly taken to be an indication that the contents were bottled by the appellants' firm, and he dismissed the case against Doughty. The Appeal Court found that on the facts the Sheriff-Substitute rightly acquitted the respondent of the charge of selling goods to which a false trade description had been applied in respect that he represented that the contents of the bottles were bottled by the complainers, but found that on the facts the Sheriff-Substitute ought to have convicted the respondent of the charge of selling goods to which a false name was applied, in respect that the name on the bottles was identical with the name under which the complainers carried on the business of bottling beers, and that the complainers had not authorised the use of such a name. Lord Skerrington dissented, being of opinion that the Sheriff-Substitute was right in refusing to convict.

Limited Companies.

New Companies Registered.

P.C. means Private Company and R.O. Registered Office.

NONAL COMPANY (1915), LTD.—Capital 44,000*l*. Objects: To take over as a going concern the business of the Nonal Company (1912), Ltd., etc.

KENNETH HOLDEN & CO., LTD. (P.C.).—Capital 11,000*l*. Objects: To carry on the business of, *inter alios*, chemists, druggists, drysalters, etc. A. K. Holden is the first managing director. R.O., Cobden Chambers, Corporation Street, Birmingham.

RATHBONE'S DENTAL SURGERIES, LTD. (P.C.).—Capital 200*l*. Objects: To take over the business carried on by Mrs. S. Hickey ("Rathbone's Dental Surgeries"), 68, 70, and 72 Taylor Street, Bradford, Manchester. The first directors are Mrs. S. Hickey and P. C. Rothwell.

ZOL, LTD. (P.C.).—Capital 580*l*. Objects: To carry on the business of chemists, druggists, and patent-medicine vendors, etc., and to acquire from P. Barrs, H. Dealtry, and Florence L. Cox the benefit of the trade-mark "Zol." R.O., 106 Church Street, Kensington, W.

LEOLIN, LTD. (P.C.).—Capital 2,000*l*. Objects: To carry on the business of manufacturers of furniture and metal polishes, paints, pigments, varnishes, drugs, etc., and to acquire a polish known as "Leolin." The first directors are F. Mitchell, R. A. McRae, and B. G. Lawson.

ENGLISH GELATINES, LTD. (P.C.).—Capital 1,000*l*. Objects: To carry on in the U.K. and elsewhere the business of manufacturers of and dealers in gelatin, its by-products, etc. The first directors are W. F. Crutch and A. Cooper. R.O., 9 Bombay Street, Southwark Park Road, Bermondsey, S.E.

JOHANN MARIA FARINA, LTD. (P.C.).—Capital 1,000*l*., in 1*l*. shares. Objects: To take over the brand of eau de Cologne known as Johann Maria Farina gegenüber dem Verasplatz; to carry on the business of manufacturers of and dealers in perfumes and soaps, etc.; and to adopt an agreement with Spurway et Cie., Ltd.

W. E. MATTHEWS, LTD. (P.C.).—Capital 5,000*l*. Objects: To carry on the business of wholesale, retail, manufacturing, homœopathic, and dispensing chemists and druggists, etc., and to adopt an agreement with W. E. Matthews. The first directors are W. E. Matthews, W. T. Guy, and E. Cox. R.O., 40 George Street, Croydon.

Company News.

BOOTS CASH CHEMISTS (EASTERN), LTD.—The report for the year, just issued, indicates that the profit, before allowing for management expenses, was 24,500*l*., 1,000*l*. less than for the previous year, but as a larger amount was brought forward, the available balance is 39,100*l*., practically the same as a year ago. The directors recommend a dividend of 10 per cent. on the ordinary shares, free of income-tax, compared with 12 per cent. in the previous year; the payment of 2,000*l*. to the contingency fund, bringing it up to 13,100*l*., and increasing the carry forward from 14,600*l*. to 15,250*l*., after allocating 2,000*l*. to freehold reserve.

Gazette.

Partnership Dissolved.

DOBBING, W. N., and TAYLOR, J. H., Skinnergate, Darlington, veterinary surgeons, under the style of Dobbing & Taylor.

Deeds of Arrangement.

Bevan, Samuel Howle, trading as the Bryn Chemical Co., Bryn Chemical-works, Llanelly, and as The Mill-lands Brick and Tile Co., The Mill-lands Brick-works, Neath, and residing at Wellfield, Llanelly, chemical-manufacturer and brick-manufacturer. Trustee, F. C. Bevan, Exchange Buildings, Swansea, C.A. Dated, June 1; filed, June 7. Secured creditors, 9,209*l*.; liabilities unsecured, 9,158*l*.; estimated net assets, 4,685*l*.

Costigan, Frederick J., Victoria Street, Douglas, I.O.M.—At the Manx High Court on June 7, before Deemster Moore, Mr. Johnson presented a petition for confirmation of a deed of arrangement executed by F. J. Costigan on May 27, 1915, appointing Mr. S. C. Craigie trustee. The deed was confirmed.

Births.

Authenticated notices are inserted without charge.

IDRIS.—On June 11, the wife of Walter Howell Williams Idris, "Gwynfa," Highgate, of a son.

WATSON.—On June 5, the wife of Bernard G. Watson, chemist and druggist, Alcester Pharmacy, Alcester Lane's End, King's Heath, Birmingham, of a son.

Marriages.

Authenticated notices are inserted without charge.

BRADBURY—HOLT.—At St. Paul's Church, Stafford, on June 2, James Alfred Bradbury, youngest son of the late Mr. J. C. Bradbury and Mrs. Bradbury, Stone, to Emily, eldest daughter of Mr. and Mrs. William Holt, Stafford.

BULSTRODE—WOOLMER WHITE.—At Salle Church, by the Rev. H. C. O. Lanchester, on June 14, Christopher Victor Bulstrode, M.A., M.D. Cantab., temporary Captain R.A.M.C., to Marguerite, elder daughter of Mr. and Mrs. Woolmer White, of Salle, Norfolk, and Southleigh, Hants.

COWAP—PITTOCK.—At St. Alban's, Winton, Bournemouth, on June 16, William Wise Cowap, chemist and druggist, only son of the late Mr. E. S. Cowap, chemist and druggist, Tarporley, Cheshire, to Bessie Hannah, youngest daughter of Mr. W. Pittock, Stonan, Fitzharris Avenue, Winton, late of Sandwich.

CUTHBERTSON—EVERETT.—At 10 Comely Bank, Edinburgh, by the Rev. D. M. Milne, B.D., on June 5, Archibald A. W. Cuthbertson, Ph.C., Edinburgh, to Gertrude, second daughter of Mr. George Everett, 39 Comely Bank Street, Edinburgh.

JEFFREY—INGLIS CLARK.—At St. Giles' Cathedral, Edinburgh, by the Rev. J. R. P. Sclater, M.A., Chaplain to the Forces, on June 9, Robert Jeffrey, F.F.A., to Mabel, only daughter of Dr. W. Inglis Clark (Duncan, Flockhart & Co.) and of Mrs. Inglis Clark, "Rosedene," Lauder Road, Edinburgh.

JEWELL—BRINE.—At Holt Parish Church, by the Rev. Chancellor Bernard, of Salisbury Cathedral, Chaplain-in-Ordinary to the King, on June 2, Harry Jewell, chemist and druggist, Southampton, to Emily, third daughter of Mr. and Mrs. George Brine, Holt.

TEMPLE—BLACK.—At King's Temperance Hotel, Galashiels, by the Rev. D. L. Richardson, on June 12, William Temple, chemist and druggist, Galashiels, to Janet Nichol, only daughter of Mr. James Black, Galashiels.

THOMAS—ROWLANDS.—At St. Mary's Church, Bryanston Square, London, W., by the Rev. W. Evans, B.A., on May 24, Gwilym Thomas, chemist and druggist, of Meacher, Higgins & Thomas, chemists, Crawford Street, London, W., to Marion, eldest daughter of Mr. and Mrs. Rowlands, 7 Compton Street, London, E.C.

TURNER—WOOLLETT.—At the Church of St. John the Baptist, Kensington, W., on June 9, Percy Norman Turner, chemist and druggist, Salisbury, to Ethel Grace Woollett, Chiswick, London, W.

Deaths.

Authenticated notices are inserted without charge.

BLYTH.—On June 10, Mr. John Blyth, of the staff of Harkness, Beaumont & Co., wholesale druggists, Edinburgh, aged twenty-one. Mr. Blyth was well known in football circles in Edinburgh, and was a playing member of the local Pharmacy Club.

DYER.—At Liscard Road, Callington, Cornwall, on June 4, Mr. Walter Dyer, chemist and druggist, aged seventy-nine.

GREGORY.—At Hill House, Dorchester Road, Weymouth, on June 6, Alderman William Gregory, chemist and druggist, aged seventy-eight. Alderman Gregory was a native of Abingdon, and opened the pharmacy at Weymouth, now carried on by his two sons, in 1860. He was the oldest member of the Corporation, which he entered in 1879. He had been an Alderman since 1907, and in 1909 was elected Mayor. He was a member of the Borough Education Committee, the Port Sanitary Authority, and had served on the Board of Guardians. He was a prominent Freemason, Conservative, and Churchman.

JEFFREY.—On June 10, Mr. Peter Jeffrey, representative in Edinburgh and Leith of Mr. John Kerr, manufacturing chemist, Glasgow.

MACHON.—At 19 Charnwood Street, Derby, on June 9, Mr. Edward Machon, chemist and druggist, aged seventy-three. He had been in business in the town for many years. The funeral on June 14 was attended by Messrs. C. D. Turner, W. Riley, and Patterson, representing the Derby Pharmacists' Association, who also sent a floral tribute.

POLL.—At Acle, Norfolk, on June 13, Mr. William Sheppard Poll, Ph.C., aged eighty-three. Mr. Poll was one of the older generation of Yarmouth business-men, having established in 1862 a flourishing business in Regent Road, which is now carried on by his son, Mr. W. G. Poll. He retired to Acle thirteen years ago.

ROBSON.—At Coatham, recently, Mr. James Crosby Robson, Ph.C., aged sixty-seven. Mr. Robson was a native of Darlington, and served his apprenticeship as a chemist in Norwich. He commenced business in Middlesbrough about forty years ago, and a few years later took up residence at Coatham. For many months past Mr. Robson had been unable to attend to business. He had closely identified himself with the public life of the town, and had rendered good service on the Guisborough Board of Guardians. He also represented the Town Council on the Board of Managers of the Council Schools and on the Board of Governors of the local Grammar School. Twelve years ago he was placed on the Commission of the Peace for the county.

RUCKER.—At his residence, Cudham Hall, Cudham, Kent, on June 13, Mr. Edward Augustus Rucker, senior partner of Messrs. I. A. Rucker & Bencraft, 37 Mincing Lane, London, E.C., produce-brokers, aged sixty-four.

Killed in Action.

CASSON.—In Flanders, James Casson, Royal Berks Regiment, formerly chemical warehouseman in the employment of W. Canning & Co., Birmingham.

LAMB.—At the Dardanelles, on May 24, Private W. Lamb, of the 5th Royal Scots. He was one of the twin sons of Mr. James Lamb, senior travelling representative of Duncan, Flockhart & Co., Edinburgh, who were serving together in the same regiment.

SAVORY.—Killed in action at the Dardanelles, Reginald A. Savory, Second Lieutenant, 14th Battalion K.G.O. Sikhs, youngest twin son of Mr. Arthur L. Savory, of Savory & Moore, Ltd., 143 New Bond Street, London, W., and Mrs. Savory, 31 Bramham Gardens, London, S.W. Two other sons of Mr. and Mrs. Savory are serving with the colours.

THECKSTON.—Killed in Belgium, on June 3, Private J. Theekston, 10th (King's) Liverpool (Scottish) Regiment, only son of Mr. J. Theekston, chemist and druggist, Victoria Road, New Brighton, and of Mrs. Theekston.

Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

SIR W. A. TILDEN, F.R.S., communicated to last week's "Nature" an interesting article on "Gases in War-time."

MR. ARTHUR LYNCH, M.P., who recently delivered a remarkable speech in the House of Commons on science and industry, which has since been reprinted in full in "Nature," has received a very appreciative letter from the Right Hon. Sir Henry Roscoe, who stated that it was the finest utterance he had ever read from a Nationalist member of Parliament. Sir Henry, who was formerly at St. Stephen's, invited Mr. Lynch to visit him in London, and a most interesting interview, full of reminiscences of Tyndall, Huxley, Darwin, Faraday, and others, was the result.

MR. H. DROOP RICHMOND, F.I.C., F.C.S., has been appointed superintending chemist in the laboratories of Boot's Pure Drug Co., Ltd., Nottingham, where he is supervising the manufacture of alimentary and dietetic products, and at present is devoting particular attention to Nerve-tonic Food. Mr. Richmond has had a distinguished career as an analyst. After spending several years in the Egyptian Government Chemical Laboratories, Mr. Richmond became chief chemist to the Aylesbury Dairy Co., resigning, after twenty-three years' service, to take up his present position. He has devised many analytical methods specially applicable to milk and milk-products, and is the author of the chief standard work on milk-analysis, while he has also actively participated in the work of the Society of Public Analysts and other analytical chemists, of the Institute of Chemistry (of which he has been a member of the Council), and of the Chemical Society, to whose "Transactions" he has contributed.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

THE FINANCE BILL.

The second reading of the Finance Bill was carried—by a misunderstanding without discussion—in the House of Commons on Monday, June 14.

Spirituous Medicines.

The Committee stage of the Bill was reached a few minutes after five on Wednesday afternoon, when a series of amendments was considered and disposed of (see p. 46). The Chancellor of the Exchequer's first amendment was:

> Clause 2, page 2, line 13, after "manufacture" insert "if the mixture, compound, or preparation is one which is recognised by the Commissioners of Customs and Excise as being used for medical purposes."

Mr. Glyn-Jones moved after the word "which" to insert the words "if they were imported would on importation." He said: I am sorry and must apologise to the Committee for the fact that the amendment which I propose is not on the paper but simply in manuscript. Like most of the members of the House, I did not anticipate that we should be taking the Committee stage of the Bill to-day, and when I saw that the Commissioners of Customs and Excise are to-morrow meeting the representatives of the Pharmaceutical Society and those interested in this matter, it does seem to me rather like putting the cart before the horse for the House to-day to be dealing with provisions which are to be the subject of consultation to-morrow between the Commissioners and those whom they have undertaken to see. I suppose there is some reason for the Committee stage being taken to-day, but I hope we are not going to take the new clauses. They are new provisions entirely, which only appeared on the paper this morning. None of us has seen them until now, and they raise very difficult issues. I hope that the Chancellor of the Exchequer, if he feels that he must proceed with the Committee stage of the Bill to-day, will not go further than the clauses of the Bill as they stand. This is not an emergency Bill. There is every excuse for the House dealing with emergency legislation. They should be taken rapidly, and very often with very little consideration. But this is the Finance Bill of the year, and I cannot help thinking that every opportunity should be given to the House of dealing not only with these particular clauses, but more especially with the new clauses which were put on the paper for the first time to-day. This clause provides for duties on immature spirits. The only reason why the duty is to be placed on immature spirits is that spirit which is kept a proper length of time should not be prejudiced in the market with spirit which may be immature. I deplore exceedingly the necessity of having to place this small tax on this form of spirit, because it leads to enormous complications which the Revenue and the House of Commons do not want to create.

Sir F. Banbury: Can the hon. member tell us what the amendment is?

Mr. Glyn-Jones: I read it out to the House.

Sir F. Banbury: I am sorry that I did not hear it.

Mr. Glyn-Jones: The section imposes a duty not for the purposes of revenue, and then exempts from the duty certain mixtures, compounds, or preparations by two provisions —A and B. A says the additional duties under the section should not be charged on "mixtures, compounds, or preparations which on importation are charged with duty in respect of spirit contained in them or used in their preparation or manufacture." There is nothing there about preparations used in medicine. It is "preparations which on importation are charged with duty." They are to be exempted from the additional duty. When you come to B it is clearly intended to deal not with imported mixtures at all, but with mixtures made in this country. Then we have got the stipulation that these things are to be for medicinal purposes only. It is true that the Chancellor of the Exchequer had that day got a new amendment which made it clear that the mixtures referred to in A should only be mixtures to be used in medicine. But trouble has arisen; and if my amendment cannot be accepted, I hope that the Chancellor of the Exchequer will promise that between now and the report stage he will see whether the words cannot be made clear. The Bill, as it stands, says "mixtures, compounds, or preparations which on importation are charged with duty in respect of the spirits contained in them." One of the leading technical journals has pointed out that this matter will have to be dealt with or the trade will read it in two ways. Did it mean mixtures which had been imported and had then paid duty, or was it a description of a class of mixtures which on importation

paid the duty?—that, of course, makes the whole difference. He had moved his amendment in order that the Chancellor of the Exchequer might make it quite clear which class of mixtures he meant to include in paragraph A. If he was satisfied that there was room for doubt he hoped the Chancellor of the Exchequer would accept the amendment.

The Deputy-Chairman: I must point out to the hon. member that if these words are accepted they will not read.

Mr. Glyn-Jones: I quite understand that it will be necessary to move a further amendment.

Mr. McKenna admitted that the language of the clause was not simple, and proceeded to assure the House that Sub-clause (*a*) is for the purpose of exempting imported mixtures, etc., from paying the additional duty of 1*s.* 9*d.* per proof gal., while Sub-clause (*b*) provides for repayment of that additional duty in respect to mixtures, etc., of home manufacture. He added that Mr. Jones's amendment was not in the least necessary, and he hoped under the circumstances he would not press it.

Sir George Younger thought the Chancellor of the Exchequer had taken an exceedingly wise course in restricting the extremely wide words of this clause, and he was not sure that he had gone quite far enough. Who was to say what a medical purpose was? There were all sorts of wines of one kind or another sold as medical wines—concoctions of a most villainous kind. Were wines of that kind supposed to be used for medical purposes because the man who mixed them said so to escape the additional duty?

Mr. McKenna said that point would be dealt with on the next amendment.

Mr. Glyn-Jones said the Chancellor of the Exchequer had stated the clause was quite clear to him, but it was not to the trade. He asked that between now and the report stage the Chancellor should consider whether there was an ambiguity which was giving trouble to the trade, and, if he found there was, make it quite clear what was meant.

Mr. McKenna was understood to assent to that, and Mr. Jones then withdrew his amendment.

Mr. McKenna then moved his addition to the sub-clause as above.

Mr. Glyn-Jones moved an amendment to this amendment in order to substitute for the words "recognised by the Commissioners" "recognised by an advisory body representing medicine and pharmacy and the Commissioners of Customs and Excise." He said, however expert the Commissioners of Excise might be, occasions would arise when they would want to consult some body or another in reference to this point. It might be said everything in the British Pharmacopœia was an article used for medical purposes and therefore ought to be exempt from the additional duties. To that there might be objection. Who was to decide what was an article used for medical purposes and entitled to come within this exemption? Instead of leaving it to the Commissioners of Excise and Customs he would give them the assistance of an advisory body representing medical men, pharmacists, and, of course, the Revenue. He had no doubt the Chancellor would tell him it was the intention to seek advice, but it was important that the House should see the advice came from a properly constituted body. Unless that were done it was possible for people who have particular interests to serve to get the ear for the time being of a particular official, and the official, perfectly *bona fide*, accepted the views of that particular expert who might have a special interest to serve. It was much better that they should say in the Bill that the advisory body was to consist of representatives of the interests he had named who might be appointed by the Commissioners themselves. There was a precedent for this. The Insurance Commissioners required advice upon a number of technical difficulties, and the Bill provided for the appointment of an advisory body to them. In this particular case the advisory body might be small. At any rate, the House should see the Commissioners did not take an arbitrary view of what came within the exemption, but that they had at their backs an authoritative body representing medicine, pharmacy, and themselves.

Sir George Younger asked how it was proposed to define the words for medical purposes. St. Paul told Timothy to take wine for his stomach's sake. If the inventors of the concoctions to which he had previously referred said their wines were to be taken for the stomach's sake, would that give them exemption as coming within the words "for medical purposes"?

Mr. McKenna said the clause as it stood would make the Commissioners of Customs and Excise the final arbiters as to whether the preparation was for medical purposes. He agreed that without the assistance of well-trained advisers the Commissioners would not be competent to decide. The ordinary Commissioners of Excise were not appointed from the point of view of their medical qualifications. But would it be wise to accept Mr. Jones's amendment and insert in an Act of Parliament a particular body which at the moment appealed to him as a suitable body, but which five or ten years hence might be a most unsuitable body to give the advice? He therefore asked the hon. member to accept his assurance that a body would be set up—not a statutory body, but a *bona-fide* medical body—which would advise the Commissioners as to what preparations might properly be exempted from the additional duties. He hoped his hon. friend would not press the amendment.

Sir T. P. Whittaker said he was a little uneasy about a number of concoctions and preparations which were largely advertised as medicines, and which contained somewhere about 20 per cent. of alcohol. In his judgment these preparations were most deleterious and ought to be discouraged in every way. They were really strong liquor sold under the name of medicine at chemists'. He was not clear whether the decision of the Commissioners of Inland Revenue would exclude these, or whether their decision would be final. The last thing they wanted to do was to relieve these preparations of the duties.

Mr. Glyn-Jones said the wines referred to were not touched at all. They were quite outside the Bill.

Mr. McKenna: That is so.

Mr. Glyn-Jones, continuing, said the clause only dealt with spirits, and the articles referred to came within the category of wine, and nothing in the clause dealt with wines. In answer to the Chancellor's appeal that he should not press his amendment, the Chancellor himself admitted the necessity for expert advice, and he understood him to say that a small advisory body would be set up which would be representative of the interests named in his amendment. In view of the Chancellor's statement, however, he would not press the matter further and he withdrew his amendment.

The Chancellor's amendment to the clause was then agreed to.

Mr. Leif Jones and Mr. Rawlinson also spoke briefly.

Sir J. D. Rees had submitted a manuscript amendment, but the Chairman ruled that it was an alternative proposal, and the Chancellor's amendment was put and carried, as was also another on the same clause about blended spirits. Other clauses were then proceeded with. These dealt with Income Tax.

Sight-tests.

In the House of Commons on Monday, Mr. Lynch asked the President of the Board of Trade as to the results of the sight-tests for 1914, and whether the wool-test has been abolished and the defects in the lantern overcome.—Mr. Runciman replied that a return will be issued shortly, which will contain statistics with regard to the sight-tests in 1914. The wool-test will be dispensed with as from January 1 next. He does not think that any alterations in the lantern are called for.

Dental Inspection of Schools.

In reply to Mr. Arthur Lynch, M.P., in the House of Commons on Monday, Mr. Birrell stated that the amounts of the Parliamentary grants for the medical and dental inspection and treatment of Irish national-school pupils expended in 1913-14 and 1914-15 were 498*l.* 7*s.* 3*d.* and 801*l.* 2*s.* 8*d.* respectively. Dental schemes are aided by the Commissioners of National Education in connection with thirty-seven schools and institutions. In addition to these the Children's Aid Society (Ireland) established the dental clinic for the treatment of children attending the national schools in Belfast, and received grants from the Commissioners in respect thereof for the last financial year. The question of the transfer of this clinic to a new Committee is at present the subject of correspondence.

Anti-chlor. Respirators.

Sir Arthur Markham, M.P., put a long question to Mr. Tennant in the House of Commons on Monday, June 14, in regard to a report that Dr. Haldane had stated that the form of respirator proposed to be issued by the War Office is of no value whatever, and other reports on "gassing."—To this the Under-Secretary for War replied that the eminence of Dr. Haldane as an authority is well known, and he continues to advise the War Office. The type of respirator used at the outset was approved by the Director-General of the Army Medical Services, and was used until a more suitable type was devised. Mr. Tennant had no knowledge of the report made by Mr. Winmill, and he was not aware that any music-hall artist had been consulted.

Enemy Property in Britain.

In a written reply to Sir John Harmood Banner, the President of the Board of Trade states that the enemy

property in this country of which the Public Trustee has received information in accordance with the Trading with the Enemy Act, 1914, now amounts to 100,000,000*l*. This amount does not include money standing to the credit of enemies or debts or royalties due to enemies, but the question of introducing legislation to extend the provisions of the Act is under consideration. Steps have been taken by the Public Trustee and the Board of Trade to secure compliance with the requirements of the Trading with the Enemy Amendment Act, and, on information laid before him by the Board of Trade of failure to disclose certain property, the Director of Public Prosecutions has instituted proceedings. Provisions are contained in Sections 4 and 5 of the Act for enabling a creditor of an enemy to obtain payment out of property which that enemy may have in this country, but it is not at present proposed to make the property of individual enemies available for the payment of debts due by others.

Services of Trained Chemists.

In the House of Commons on Monday, Mr. Edgar Jones asked the President of the Board of Education whether he has yet drafted a scheme so that the services of trained chemists and scientists, engaged as teachers and lecturers in the technical departments of our schools and colleges, can be used, as in Germany and France, in directing and improving the scientific processes upon which the issue of this war will depend.—Mr. Runciman replied that the Board of Education had communicated with the leading technical schools and institutions of the country with a view to ascertaining the supply of skilled workers, and advising them to communicate with the nearest armament centre and munitions centre to which they could offer assistance. The institutions have responded in the most public-spirited way, and the equipment, staff, and students are being exclusively employed in a great variety of ways on scientific and technical work ancillary to war purposes.

Mr. Jones asked the Prime Minister on the same day whether he is prepared to invite Lord Haldane to preside over a special Commission for concentrating the scientific intellect of the country upon research, invention, and discovery.—The Prime Minister replied that the existing machinery appears to be adequate. The creation of an additional body would not be of advantage. (*See also* p. 48.)

Pharmaceutical Society of Ireland.

Council-meeting.

Mr. JAMES TATE (Vice-President) presided at the Council-meeting at 67 Lower Mount Street, Dublin, on June 8. The following members were also present: Sir William James Baxter, J.P., D.L., Messrs. G. D. Beggs (Hon. Treasurer), Thomas Batt, Richard Blair, James Michie, John Smith, and Albert Owen Wells.

Deaths.

Letters were submitted from representatives of the following chemists and druggists notifying their deaths:

William Irwin, Dungannon; James Keating, Taghmon, co. Wexford; James Kenny, Castletown, co. Westmeath; Patrick McGhee, Ardee, co. Louth; Teresa McIver, Ardee; Ellen Maria Meany, Callan; Thomas Moore, Newtownbarry; Francis Quinn, Stewartstown; Mary Quinn, Coalisland; John W. Ritchie, Comber, co. Down; James S. Smallman, Portarlington; Robert Smith, Londonderry; John Francis Smithwick, Kilkenny; and John Webb, Dublin.

The Registrar also submitted certificates of the deaths of Michael Hanrahan, Ph.C., Cork, and of James Millen Moore, chemist and druggist, Lurgan.

Preliminary Registration.

W. D. Lavery, J. W. Leahy, J. Lyons, and T. J. McGuffin submitted certificates from other bodies, and were admitted to Preliminary registration.

Changes of Address.

Communications were received from the following, notifying changes in their addresses:

J. C. Boyle, Ph.C., from The Diamond, Donegal, to c/o Mr. J. A. Woodside, Ph.C., Church Street, Ballymena.

J. A. McQuillan, Ph.C., from 90 West Street, Drogheda, to Bellurgan, Dundalk.

G. E. Plewman, from 12 Richmond Avenue, Fairview, Dublin, to 14 Victoria Avenue, Donnybrook, Dublin.

Samuel J. Smith, Ph.C., from Cappoquin to 41 Grafton Street, Dublin.

T. W. Reynolds, chemist and druggist, to 101 Eglantine Avenue, Malone Road, Belfast.

Harry C. Smith, R.D., from 37 Park Street, Dundalk, to Ardee, co. Louth.

Sergeant M. V. Sargent, Ph.C., R.A.M.C., wrote stating that, as he was going to the Front, his future address would be uncertain, and giving his home address as Lannreagh, Naas, co. Kildare.

Nominations for Membership.

On the motion of the Chairman, seconded by Mr. Beggs, the following were nominated for membership:

Thomas Hamilton Edgar, Ph.C., 14 Bow Street, Lisburn; John Hall, Ph.C., Orangefield, Belfast; and Patrick Joseph Ronan, Ph.C., The Pharmacy, 10 Market Street, Lurgan.

Reports

were received from the following and adopted: The Law Committee, the House Committee, the School Committee, and from the Registrar announcing the deaths of Patrick Walsh, Ph.C., Mitchelstown; Samuel F. Knaggs, chemist and druggist, Dublin; and Sarah Ann Price, chemist and druggist, Arklow.

Sir William Baxter's Portrait.

Sir William J. Baxter, who had been Vice-President of the Society for three years and President for a similar period, referred to the fact that his portrait has been placed in a prominent position in the Council-chamber. He expressed his thanks to his fellow-members of the Council, whose action, he said, had done him a very great honour.

The Chairman said an honour was really bestowed upon the Society by the circumstance that Sir William Baxter's portrait occupied the position that it did in their meeting-place. (Hear, hear.)

This was all the public business.

Postal Address:
C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London, E.C.
Telegraphic Address: "CHEMICUS, CANNON, LONDON" (two words).
Telephone Number: 3617 CENTRAL (three lines).

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated. Please address us as above:

128/53. "Ervol."
128/62. Vacuum Speciality Co. (New York), agents in this country.
128/73. "Everclean" rubber gloves.
133/41. "Postem" substitute for tea.
133/42. Boyle's antiseptic essence.
132/65. "Magnesia de Marquez (Habana, Cuba)," source of supply in London.
132/20. "Novol" or "Trovol" nasal spray.

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, The Chemist and Druggist, 42 Cannon Street, London, E.C.:

Absorbent cotton-wool, 123/12
Adrenaline, 124/7
Chemical-plant (for Russia), 124/48
Chloride of lime, 114/27
Compressed dressings, 117/55
Gum-elastic surgical instruments, 120/628
Hall's wine, 120/44
Perry Davis pain-killer, 117/600
Pleated gauze, 117/640
Pleated paper bottle-caps, 120/626
Sodium hyposulphite, 114/73
Soothers, 115/63, 123/62, 119/22, 134/2
Winter's malt-wheat bread, 119/300

See also "War Wants Exchange" in the Coloured Supplement.

Observations and Reflections.

By Xrayser II.

"The Craze for Cheapness"

always brings its nemesis. It is unfortunately too true that we are a nation of shopkeepers, and the shopkeeping instinct has always been to buy in the cheapest market. This is why disaster has overwhelmed the British chemical-manufacturer, and why year after year for a quarter of a century one factory after another has been closed down. True, we find occasionally farseeing men who, taking advantage of nature, have put up factories that have been phenomenally successful, but, as your article shows, the net result has been mainly failure. I wonder if we are going even yet to profit by these tragedies, and whether the war will make us any wiser? I hope we are, though the omens are far from encouraging. Free-trader as I always have been, I feel that one of the results of the war ought to be a determination on our part to refuse to stifle our own trade by indulging in the craze for cheapness, and if nothing else will avail, some fiscal arrangement should be made under which the British Empire will provide for its own needs and rely a great deal less on goods that in the past have been "made in Germany."

The Irish Apothecaries' Hall

is once more on the G.M.C. carpet. It has been there before, and hitherto has always retired gracefully. Whether it will succeed this time depends, I think, very largely on whether it elects to wrestle with the Council or submit. With Dr. McWalter as its champion it would seem to be safe, but I cannot help thinking that the more prudent course of doing something and saying nothing would pay best in the end. It is childish to set down the attitude of the General Medical Council as being due to jealousy, for everyone knows who has read about the subject that for years past the Hall methods have needed improvement. My advice to Dr. McWalter would be to say as little as possible in public but to patch up the old ship here and there, introduce some alterations in the rigging, or even the manner of steering, and she may have a long life yet. But to pretend that all is well and that no change is needed, is a policy that may not turn out very happily for the Apothecaries' Hall. If the old ship is worth preserving, its defenders will require to do more than simply talk about it.

Holidays,

this year, will be unusually restricted, and so will the places in which most people will care to spend them. I hear from several friends that they are seeking "fresh woods and pastures new," and do not know where to find them. This is the difficulty: all places to which no special objection attaches this year are likely to be overcrowded, and to go into a neighbourhood of which one knows nothing is rather too adventurous. I can think of no more pleasant or restorative holiday for the harassed pharmacist than a quiet fortnight in some village not frequented by tourists, but how is he to discover a sufficiently attractive place and suitable quarters? The latter is the chief difficulty, but it may be overcome by making inquiries in time and in the right way. Many of our railway companies now issue lists of farm and other houses where lodging and accommodation can be had, and give sufficient information to serve as a preliminary guide. An application to a local postmaster, who is usually a tradesman and willing to oblige, is often useful, and country pharmacists would, I do not doubt, be glad to help a "brother pill." I have both given and received help in this way. As for the place—tastes differ; but one cannot go wrong in "stepping westward."

Early-closing,

as I said the other day, is not so simple a matter as some people seem to think it. It is quite true, as "Sexagenarian" says (*C. & D.*, June 12, p. 63), that in this respect we have spoilt the public, but we have not done it entirely out of regard for them. Many years since I took an active part in an early-closing movement in one of our largest towns. The hour ultimately agreed upon for closing was nine. The agreement was broken within a week by many who had signed it, and within a month or two the whole town had relapsed into the old bad way. The reasons given were many; really they were these: it was found that many prescriptions were not presented until so late an hour that they could not be dispensed till next day; and there was a great deal of mutual suspicion and jealousy among pharmacists, which exaggerated the difficulty where it existed, and took its place where it did not. The real difficulty is greater now than it was then, and I am afraid the other is still operative. It is quite natural, too, that, having to be on duty for prescriptions, the pharmacist should welcome other business along with them. It is not likely that the prescription problem will ever be entirely solved, but some relief might be obtained by arrangement with the doctors. This, however, is impossible while we are ourselves divided on the subject, and we shall be divided until we realise that other pharmacists may be as reasonable and honourable as ourselves.

The Chemist's Window

used to be the weakest part of his business equipment, and although a great change has taken place in this respect during the last few years, your book on the subject is needed, not only to help those who are wanting in initiative and design, but as a stimulus to the many who still neglect this essential means to successful trading. I confess that window-dressing has always been my abhorrence, and that I have no gift for it, but this only makes me the more appreciative of your help, and accentuates the value of my opinion that a good window is the most effective form of advertisement. Certainly a slovenly window, such as I saw with something akin to amazement in one of the best quarters of London this morning, requires an inordinate amount of "living down" if it is not to kill even such an historic house as ——'s. It has always been a wonder to me since the window became of such importance that so rarely one is made so that it can be opened and dressed from the outside. This would effect an immense saving of time and greatly facilitate the artistic arrangement of the contents. The artist does not paint his picture from the back, but this is virtually what we do when dressing a window from within.

"The Weakness of the Link,"

to use the admirable phrase of Mr. Hines, who writes on "Territorial Representation," is the weakness of the chain, and the shorter the link the stronger it is. To put it in another form, the loose connection of the units with the body is the whole secret of the weakness of the Pharmaceutical Society as a body; it is only when every atom is in active co-operation with all the rest that real organic unity exists. But an organism has parts as well as a whole, and every individual unit belongs primarily to some particular part; on the structure and proper articulation of the parts the efficiency of the whole body depends. I confess I am not aware of any scheme of proportional representation which so well preserves the analogy of a living body as does that of territorial, or (if Mr. Owen prefers the term) local representation. I am not wedded to any particular formula, and my critic appears quite as much in danger as I of being misled by "catch-words." But local patriotism is the ground out of which national patriotism springs, and the personal tie is the strongest of all ties. It is easy to sneer at the British Parliament, and to call the mode of its election inefficient and outworn; still, the British Parliament is the mother of all Parliaments: its modes have stood the test of time—they are based on experience and on human nature; they are not, like "proportional" representation, closet-schemes, the ingenious devices of theorists, which have never been put to the test. It is more than fifty years since Mr. Hare put forth his proposal, but, so far as practical politics are concerned, it is still a dream.

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Editorial Articles.

Spirituous Medicines.

IV. Finance Bill Surprises.

The second reading of the Finance (No. 2) Bill was done in the House of Commons on Monday evening with a nod from Mr. McKenna, the new Chancellor of the Exchequer. No speeches were made. This was through a sheer misunderstanding on the part of those who were ready to speak. The papers of the House for Wednesday contained official and other amendments to the Bill, and two of these by the Chancellor of the Exchequer were about spirituous medicines, as reported fully elsewhere in this issue (pp. 42-3). The first amendment was on Clause 2, and we insert it here in italics:

Provided that—

(*a*) The additional duties under this section shall not be charged on mixtures, compounds, or preparations which on importation are charged with duty in respect of the spirit contained in them or used in their preparation or manufacture *if the mixture, compound, or preparation is one which is recognised by the Commissioners of Customs and Excise as being for medical purposes.*

Mr. Glyn-Jones was in his place in the House ready for the Committee stage of the Bill on Wednesday afternoon, and he was the first called upon by the Chairman. His first amendment to the sub-clause arose from our remark of May 29 that Sub-clause (*a*) above quoted applies solely to imported medicines. The Chancellor of the Exchequer assured him that this is the case, it exempts them from the additional duty, while Sub-clause (*b*) provides a rebate of the additional duty on spirituous medicines made in this country. This technical difficulty having been cleared up, Mr. Glyn-Jones next addressed the House on the desirability of expert authorities in medicine and pharmacy being associated with the Commissioners in determining which mixtures, etc., should be recognised as being for medical purposes. He therefore moved to insert words in the Chancellor's amendment to set up *an advisory body representative of Medicine, Pharmacy, and the Revenue.* He said he understood that the Commissioners contemplate appointing such a body, and urged that the fact should be stated in the Bill. The Chancellor agreed to the necessity of expert advice, and assured Mr. Glyn-Jones that such a body as he contemplated would be appointed, but he asked him not to press his amendment. Mr. Glyn-Jones had to be content with this public assurance of the Commissioners' intentions. It transpired that the Commissioners had arranged an interview with representatives of the Pharmaceutical Society on the following day at eleven o'clock, when this and other matters connected with spirituous medicines were to be gone into. The deputation was

made up of Mr. Edmund White, B.Sc. (President), Mr. Glyn-Jones, M.P., and Mr. C. A. Hill, B.Sc. The interview was private, but the outcome of it may be notified officially. Mr. Glyn-Jones complained to the House that in view of this deputation the Committee stage was in the nature of putting the cart before the horse, and he particularly objected to the following new clause by the Chancellor of the Exchequer being taken at that sitting:

Power to Authorise Use of Duty-free Spirits in Hospitals in Preparation of Tinctures, etc. 2 Edw. VII., c. 7.

(1) Section eight of The Finance Act, 1902 (which gives power to authorise the use of spirits without payment of duty in arts and manufactures), shall apply to the preparation in a public hospital of tinctures and other articles to be used for medical purposes in the hospital as it applies to arts or manufactures in which the use of spirits is required.

(2) If the treasurer or other responsible officer of a public hospital shows, to the satisfaction of the Commissioners of Customs and Excise, that any tinctures or other articles which contain spirits or in the preparation or manufacture of which spirits were used have within the preceding six months been used for medical purposes in the hospital he shall be entitled to obtain from the Commissioners repayment of any duty paid in respect of the spirits contained in or used in the preparation or manufacture of the said tinctures or other articles.

If any person, for the purpose of obtaining any repayment under the foregoing provision, knowingly makes any false statement or false representation he shall be liable, on summary conviction, to imprisonment, with or without hard labour, for a term not exceeding six months.

(3) For the purpose of the foregoing provision the expression "public hospital" means a hospital supported by any public authority, or wholly or partly out of any public or charitable funds or by voluntary subscriptions.

It was agreed privately that the new clauses should be postponed. It is understood that Mr. Bridgeman, one of the new Lords of the Treasury, is the father of the above clause, and that it has a measure of support. It will be observed that the clause is designed to give hospitals rebate of 15*s*. 9*d*. per proof gal. on rectified spirits which they buy for use in making spirituous medicines, and a rebate of 14*s*. 3*d*. per proof gal. on spirituous medicines which they *purchase and* use. The italicised words are not in the clause, but should be. The clause opens the way to great possibilities of abuse, and is not free from unfairness to pharmacy and the drug-trade. Many hospitals are approved institutions under the National Insurance Act, and are thus on a trade footing with dispensing-chemists, to whom neither exemption nor rebate mentioned in the clause is given or contemplated. "Public hospital" as defined in Sub-clause (3) is a potential invitation to set up proprietary concerns, such as are not unknown at present, where treatment of patients is secondary to the money-making of those who run them. Many other points have to be considered, but this cannot be done adequately in Committee of the whole House—in fact, a Select Committee should go into the whole question. We recognise that in the event of the clause passing unchanged in respect to (1) the provisions of Section 8 of the Finance Act, 1902, will apply, and these include the following:

(1) It must be proved to the Commissioners that the use of methylated spirits is unsuitable or detrimental.

(2) Security to the satisfaction of the Commissioners must be given.

(3) The differential import-duty on foreign spirits must be paid.

(4) The regulations of the Commissioners must be complied with.

(5) The spirits must be rendered unpotable before and during use.

(6) The expenses of the Revenue officer in charge must be paid.

"Shall apply to the preparation in a public hospital of tinctures or other articles which contain spirits" is what the clause says in regard to these statutory conditions. We question if the thing is workable. Up to the time of our closing for press the Finance Bill had not been reached in the House of Commons.

The B.P.C. Meeting.

"SCARBOROUGH IN 1915" was the decision of the members of the British Pharmaceutical Conference when they concluded the fifty-first annual meeting, held at Chester on July 22, 1914. Within a fortnight of that date the tocsin of the great European war had sounded, and Germany by invading Belgium commenced a conflict which was intended to be short. We are still not within measurable distance of the end. We did not know Germany then, although we thought we did. Things have happened, and are happening, at German instigation, which were considered to be obsolete as war methods among European and Christian nations. Among the things we thought the Germans would never do was to bombard such peaceful places as Scarborough, which have no military importance, but that was done on December 16, 1914, by German warships, with the result that lives of private citizens were lost and much property damaged. In consequence of this the pharmacists of Scarborough unanimously decided that it would be inadvisable to hold the 1915 meeting of the British Pharmaceutical Conference in their town, with which resolution the Executive Committee of the Conference acquiesced on January 14, when it was also decided to hold a business meeting of the Conference in London. The Hon. General Secretaries of the Conference have issued a circular regarding the meeting, in which it is stated that social functions will be abandoned and no meetings of the Science and Practice Sections will be held, but any papers which have been communicated to these Sections will be printed in full in the "Year-book of Pharmacy" for 1915. The meeting is to be held in the Lecture-theatre of the Pharmaceutical Society, 17 Bloomsbury Square, London, on Wednesday, July 14, at 11 in the forenoon, when Captain Ernest Saville Peck, M.A., Ph.C., will preside and will deliver a presidential address. We trust that in the course of this some remarks will be made on the pharmaceutical aspect of the war. It is a curious circumstance, and yet a happy one, that the war finds the Conference presidential chair occupied by a pharmacist who holds military rank, and although the year of Mr. Peck's office is shorn of the hospitality and other pleasant personal and pharmaceutical effects that characterise the body over which he has the honour to preside, he has the unique distinction of coming to discharge the duties of this high pharmaceutical office in the garb which will distinguish from all others this period in the history of the British Empire. After the President has delivered his address the business will be confined to receiving the financial statement for 1914 from the Hon. Treasurer (Mr. D. Lloyd Howard), then the report of the Executive Committee will be read, and officers for the fifty-third session will be elected. It will only then remain to select the place of meeting for 1916. It is understood that an invitation is to be extended on behalf of the chemists of Liverpool to meet there then. The Conference has met in Liverpool on two previous occasions—namely, in 1870, when the late Mr. W. W. Stoddart, F.C.S., was President, and the Local Secretaries were Mr. E. Davies, F.C.S., and Mr. J. Dutton (Birkenhead), and again in 1896, when Mr. W. Martindale, F.C.S., had his second presidency after an interval of five years, and the Local Secretaries were Mr. T. H. Wardleworth, F.L.S. (now of Montreal), and Mr. H. O. Dutton, of Birkenhead. Cork has been suggested to us as a meeting place in 1917. We bespeak a good attendance at the fifty-second annual meeting, at 17 Bloomsbury Square on July 14, and the

support of members, country as well as town; for it is most desirable that we should let the whole pharmaceutical world know that in these strenuous times, when our common liberties are threatened, we are prepared to do our "bit" to keep going the one pharmaceutical institution of the British Empire.

Mysterious Fires.

We observe that Germany is, like this country, suffering from the outbreak of fires in places where they are least desired by our enemy at the present time. Our pharmaceutical contemporaries in Germany give publicity to the assertion that these fires are a retaliation by us to the submarine menace to British shipping. It is interesting to have this reflection upon what is going on in the minds of these our enemies, especially in a matter of this kind, because the mysterious fires which are happening now and then in all parts of the British Isles, and occasionally in places where war necessities are manufactured, have been attributed to German agents. It is almost a pleasure to hear that similar fires are occurring in Germany, as the circumstance shows that the atmosphere of suspicion in which we are all living at present is decidedly unsettling. Should this catch the eye of any of our contemporaries, we can assure them that if the investigation of these mysterious fires is pushed a little further it will very probably be found that the war has made all sorts of people a little careless about precautionary details, one result being that little fires become big ones.

German Chemical-industry.

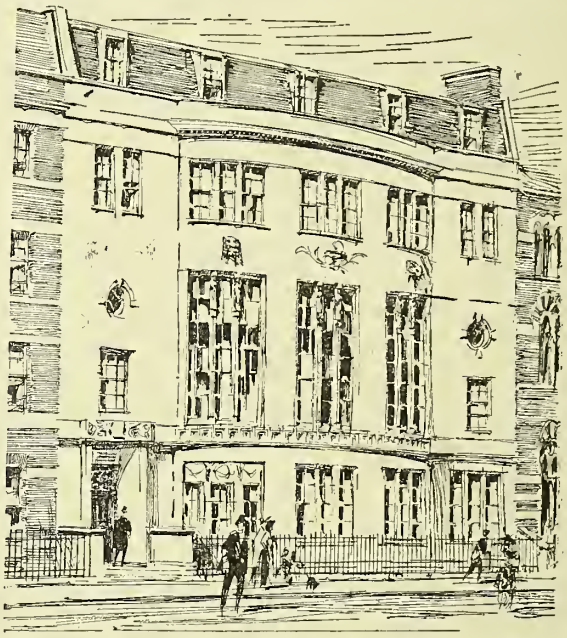
The late Professor O. N. Witt before he died was contributing a series of articles to the "Chemiker Zeitung" on the high position of the German chemical-industry and the satisfactory status of the chemists in it. Everything German that Witt touched was roseate, but what he said about the industrial chemists has not been allowed to pass unchallenged. Dr. W. Dederichs, in a recent issue of the paper, agreed with the opinion of Dr. Glund that their status is unsatisfactory. All these chemists, he says, have a certain amount of intelligence, but have no opportunity of making the most of their abilities, their time being fully occupied with monotonous routine-work. Dr. Dederichs describes the life of a German chemist as a grey, monotonous existence in a dependent position at a low salary. He states that the boasted German chemical-industry, which yields high dividends, abuses the chemists to whom it is indebted for its brilliant development by occupying all their time with energy-killing analytical researches, and leaving them no opportunities for private research. Besides, persons of a less thorough chemical training have been added to the analytical staffs in the factories, displacing scientifically-trained men, much to the prejudice of German chemical-industry. This is a side of the picture which is rarely exposed to public view even in Germany, and certainly never to the outside world.

Mobilising Science.—Mr. Lloyd George stated in the House of Commons on Thursday afternoon that he is consulting with Lord Kitchener as to the appointment of a body of scientists to advise the Government on the fullest employment of all the resources of chemical and mechanical science and invention.

Extravagant Insurance Prescribing.—Dr. Henry Blake, Great Yarmouth, writing in the "British Medical Journal" (June 12, p. 306), states that, having examined many prescriptions—both economical and extravagant—for insured persons, he has no hesitation in saying that the former are as efficacious as the latter, on an average, and that expensiveness is generally extravagance. His sympathies are against those who, having joined the panel, do not try earnestly to conform to its requirements.

New Premises of the G.M.C.

The new buildings of the General Medical Council on the Howard de Walden estate in Hallam Street, which lies between Portland Place and Great Portland Street, will probably be ready for occupation before the end of this year. The architect is Mr. Eustace Frere, A.R.I.B.A., of 1 Lincoln's Inn Fields. The illustration of the front elevation of the building given here is reproduced through the courtesy of "The Lancet." It is built of Portland stone, the central bay extending to the full height of the building. On entering, the visitor will find himself in a large hall, round which are the registration office, rooms for the President and Registrar, and separate cloak-rooms and lavatories for members of the Council and the public. At each end of the building is a staircase, one of these being for the public and the other for members. A lift is also provided for members. The Council-chamber extends the



full width of the building on the first floor, and in the rear of it are two committee-rooms. One of these can be subdivided by a moving partition, and retiring-rooms for complainants, defendants, and the legal profession will thus be provided. The Council-chamber occupies in height the space of two floors. There will be a gallery at each end of it, and the room will be panelled in oak, with a mezzanine floor in oak. At the upper part of the Council-room are two large committee-rooms, on a level with the galleries. These will provide accommodation for the Press when the Committee sits *in camera*. Above this, again, is a members' luncheon-room and a smoking-room, with another committee-room, and at the top are quarters for the caretaker. The Council will remove from Oxford Street to these premises before the end of the year.

Electrolytic Treatment of Gonorrhœa.

The treatment of acute gonorrhœa by electrolysis is dealt with by Dr. Chas. Russ ("British Medical Journal," I., 1915, p. 999). The method is described as follows:

The patient is made to retain urine for a few hours, and the rate of discharge is visible on a disc of cotton-wool retained within the prepuce. A Gram-stained smear is made of the discharge at the outset of the treatment. The patient is directed to pass about half of the urine he is retaining, and keep the rest back. This preliminary urination washes the urethra from behind, and is the only lavage employed. He then reclines on the couch, and a platinised catheter is lubricated and passed gently down to the compressor urethræ. This catheter is quite smooth, has numerous perforations, and it is furnished with a stylet of platinum wire and a rubber collar which just enters the meatus. Rubber perforated catheters are also used. A lint-covered

pad lined by a flexible metallic core is wrung out in warm saline and applied to the perineum, scrotum, and root of the penis. A 2-per-cent. solution of sodium iodide is then gently injected into the catheter. The rubber collar prevents its flowing away between the instrument and the urethra. The pad is connected to the negative, and the stylet (within the catheter) to the positive pole of the battery. A current of 1 to 2 milliampères is passed for twenty-five minutes, and the catheter is kept full of the solution from time to time by means of a syringe. The current being turned off, the catheter is withdrawn and placed in a glass of water. After the first few treatments the perforations in the catheter will be seen choked with masses of yellowish muco-pus which are laden with gonococci, and these have been drawn from the urethra. On shaking the catheter in the water, most of these masses become detached from the instrument and soon settle at the bottom of the vessel. The patient now passes the rest of the urine, and similar masses of muco-pus will be seen in it. As the patient progresses this harvest diminishes, and when the discharge has ceased there is nothing visible in the perforations at the end of such treatment. This treatment is applied every day to cases of acute gonorrhœa, and the signs of progress are: (1) The abolition of the scalding during urination; (2) reduction and disappearance of the discharge. The amount of the discharge can be visibly measured by comparison of the patient's disc of wool from day to day, provided the number of hours' abstinence from urination is the same. When the discharge has ceased the battery is applied every other day, and after three to six more applications the urine is free from purulent threads. The treatment is painless, and apparently produces no bad effects. Provided the patient receives this treatment while avoiding alcohol and other abuse, the cure occupies three to four weeks. The present prospect is that this period will become shorter after more extended application. In comparing this with other treatments the following advantages are claimed: (1) Its effect is more certain than by other methods; (2) after arrest of the discharge, the threads and flakes disappear more rapidly from the urine; (3) there is marked absence of complications; (4) it is a powerful controller of gonorrhœa, to be administered by qualified experts (this is a desirable contrast to the casual or over-zealous self-administration of some treatments which is so frequently permitted in this disease).

Purification of Water by Hypochlorites.

CHLORINE in the form of calcium hypochlorite (chlorinated lime) has long been used for the purpose of sterilising water, but it was not until 1908 that it was shown by Dr. Thresh that very small quantities destroy all the harmful bacteria in water, and that any excess of the reagent used can be readily removed and the water made palatable. In certain waters as little as one part of chlorine in five million parts of water destroys *Bacillus typhosus* and *B. coli* in about fifteen minutes. In other waters larger amounts are required. According to Dr. Thresh, the amount necessary depends upon the following factors:

(*a*) The turbidity of the water.

(*b*) The amount of oxidisable matter (organic or inorganic) in the water.

(*c*) The relative abundance of objectionable bacteria.

(*d*) The time during which the chlorine can be permitted to act.

Further, a small quantity of chlorine naturally requires a longer time to produce its specific effect than a larger quantity. For these reasons it is desirable to add the chlorine in some considerable excess and to remove the excess after its action is completed. On the large scale the excess is removed by filtration through charcoal or by adding sulphites, but on the small scale sodium thiosulphate is most suitable. It is perfectly harmless and, in the quantities used for de-chlorination, quite tasteless. Dr. Thresh states that "three grains of chlorinated lime, containing one grain of available chlorine, will, in the majority of cases, purify fourteen gallons of water after standing fifteen minutes. If at the end of that time the water retains the odour of chlorine, or turns blue a solution of iodide of potassium and starch, enough has been added. If the treated water does not give a reaction for chlorine, more of the chlorinated lime should be added. Then if six grains of sodium thiosulphate is added the water loses its taste of chlorine and is ready for use." In order to remove the taste of chlorine from water that has been treated with chlorinated lime, the Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, have recently made use of hydrogen peroxide or other peroxides, and have patented (D.R.P. No. 260653) a method for sterilising water in the field based on this. The method consists in leaving one litre of water in contact with 0.2 gram of calcium hypochlorite during ten minutes, then removing the excess of hypochlorite by adding ortizon—a solid substance containing about 36 per cent. of hydrogen peroxide. A quantity of 0.35 gram of ortizon has proved to be sufficient to remove the excess of hypochlorite in most cases, the reaction being as follows:

$$Ca(OCl)Cl + H_2O_2 = CaCl_2 + H_2O + O_2.$$

Water thus treated possesses an agreeable saline taste. The Bayer Co. have placed the necessary chemicals on the market put up in small white and brown glass tubes, containing respectively the quantities of hypochlorite and ortizon required for sterilising one litre of water. Ortizon is said to be a condensation-product of carbamide and hydrogen peroxide; at any rate, it is a derivative of urea. As put up in the tubes it also contains potato starch.

Trade Notes.

ICE-CREAM POWDER is a good summer line. Goodall, Backhouse & Co., Leeds, offer it in various flavours, in packets retailing at 3*d*.

DUN'S CAPSULES.—The London agents for these capsules, which have a reputation of fifty years, are H. C. Quelch and Co., 4 Ludgate Square, London, E.C., who supply price-lists on application.

THE BUSINESS of Thomas Hill-Jones, Invicta Works, Bow Common Lane, London, E., has been converted into a limited-liability company. The management and staff remain as heretofore.

RIGAUD'S PERFUMES.—Parfum Mary Garden, one of the fine creations of Rigaud, the Paris perfumer, is the subject of an advertisement in this number. The London agents are Heppell & Co., 164 Piccadilly, W.

VINOLIA PRODUCTS.—Vinolia eau de Cologne and Royal Vinolia Real English Lavender-water are illustrated in the Vinolia Co.'s advertisement in this issue. These products are priced to give a 50-per-cent. profit.

ALLEN & HANBURYS, LTD., will close their Bethnal Green premises for stocktaking on June 28, 29, and 30, and only small urgent orders can be executed on those dates. They request customers to send in orders as early as possible.

WINDOW-SHOWS of Ven-Yusa toilet-cream are appropriate just now, as the cream is being advertised in the newspapers. C. E. Fulford, Ltd., Carlton Hill, Leeds, give in this issue particulars of the bonus offer which they make.

THE HOT WEATHER is causing a demand for foot-powder. Wigglesworths, Rosehill Works, Bolton, are offering two quick-selling lines in their advertisement in this issue—Terrier foot-powder and Foot-ease powder—about which inquiries should be made.

WHITE EARTH.—Makers of metal-polishes and tooth-powders who require to replace German earths will find the Japanese white earth both efficient and superior. An advertisement regarding this product is inserted in this issue by Mr. P. L. Smith, Kobe, Japan.

FRENCH PHARMACEUTICALS.—Chapoteaut's capsules of Phosphoglycerate of Lime, Morrhuol capsules, and Chandron's drops (Gouttes des Colonies) are well-known products of the Laboratory of General Pharmacology, 8 Rue Vivienne, Paris. The London agents are Wilcox, Jozeau & Co., 49 Haymarket, S.W.

PREVENTING GUN-DEAFNESS.—The intense vibrations set up by gunfire in the war areas have caused many cases of deafness. Various means of preventing this have been suggested, but nothing so effective and cheap as the use of Harbutt's fibrous plasticine. This is a suitable line for sale by chemists. Harbutt's Plasticine, Ltd., 6 Bathampton, Bath, invite applications for terms and samples.

OFFICIAL PATTERN RESPIRATORS.—In reference to the trade note in our issue of June 12, p. 44, regarding the respirators made by John Bell & Croyden, Ltd., 50 Wigmore Street, London, W., for neutralising poisonous gases, we are asked to state that the manufacture of these has no connection with the War Office order which is being executed at the Tower Bridge Road works of John Bell, Hills & Lucas, Ltd.

WRIGHT WINDOWS.—The success which has attended the series of window-dressing competitions inaugurated by the proprietors of Wright's Coal Tar Soap is familiar to the trade generally, and to many individual chemists particularly, because they have improved their businesses by dressing windows *à la* Wright. It will be noted that the first of the 1915 series of window competitions will close on

Wednesday, June 30, and there is still time for chemists to participate in the competition, full particulars of which can be obtained on application to Wright, Layman & Umney, Ltd., Southwark, London, S.E.

"PERFUMERY AND ESSENTIAL OIL RECORD."—The special number of this journal which has been published this week consists of a monograph by Mr. J. C. Umney, F.C.S., and Mr. C. T. Bennett, B.Sc., F.I.C., entitled "The Chemistry, Analysis, and Technology of Essential Oils, with notes on other Natural Perfumery Products." The monograph occupies fifty pages and is provided with a special index of the contents. The three main divisions of the article deal with (1) the analysis of essential oils, (2) the principal constituents of essential oils, and (3) the sources and characters of essential oils. The monograph is a masterly exposition of modern knowledge on the subject of essential oils.

LYSOL TOILET-SOAP.—Chas. Zimmermann & Co. (Chemicals), Ltd., 9 and 10 St. Mary-at-Hill, London, E.C., have placed on the market, under the above name, a pure superfatted soap containing about 5 per cent. of lysol. The soap is in flat circular tablets, pleasantly perfumed, and gives a very free lather with hard water. It is refreshing in use, and owing to the solvent action of the lysol on grease and skin-secretions, possesses peculiar cleansing-properties. The soap is put up in boxes containing three tablets, retailing at 1s. per box. The makers inform us that they are starting an advertising-campaign in the daily Press, and that showcards are available for chemists. They invite applications for terms for window-shows, a number of which are at present running successfully.

ILEXOL SHAVING-STICK.—Thomas Christy & Co., 4 to 12 Old Swan Lane, London, E.C., who are agents for the Ilexol shaving-stick, are experiencing a busy time in getting supplies to the trade. This is partly in consequence of a somewhat unusual and interesting window show-bill which is supplied to chemists. This bill (15 by 12 in.) has upon it a reproduction in facsimile of a letter from an Army sergeant recounting how a tin of the Ilexol shaving-stick saved his life by stopping a German bullet, and also a full-sized photograph of the tin case distorted by the shot. The bill is headed "A Close Shave," and the reader is told that he can have a close shave every morning, without any risk, by using the Ilexol shaving-stick. It is a sixpenny line sent out in boxes of six, and the price is protected under the P.A.T.A. scheme.—A season line which is also selling freely is Cirengol, for spraying rose-trees, the price of which is now 7½*d.* a tube, this quantity being sufficient to make 20 gals. An attractive window bill with a reproduction much enlarged of an aphis fly stimulates sales.

DRESSING THE WINDOW is made an easy process, attended with infinite variety when the "Younits" are employed. These ingenious fittings are described in our new book, "Chemists' Windows." They are of American manufacture, and Southall Bros. & Barclay, Ltd., Birmingham, are agents for them here. In writing to us in regard to them that well-known firm say: "We have already sold several hundred sets, although we have only had the agency about twelve months. All our customers are gratified with the 'Younits,' and are surprised at the increased sales which they give. They will undoubtedly revolutionise window-dressing in this country. They are very easily put together, they require less goods to make a display, and they display the goods better. With the full set over five hundred different window-displays can be made, and there is really no limit to the devices which can be built up." Those who have "Chemists' Windows" will find more about the "Younits" therein, and Southall Bros. & Barclay offer to send an illustrated booklet about them post free to all applicants.

PARFUMERIE CARON.—Arthur H. Cox & Co., Ltd., Brighton, have been appointed sole British agents for the firm of Parfumerie Caron, 10 Rue de la Paix, Paris, and carry stock of their exquisite products, which include perfumes and face-powders with the distinctive names Chantecler, Elegancia, Infini G.M., Isadora, Mimosa, Mode 1915-1916, Modernis, Narcisse Caron, Narcisse Noir, Petit Mimosa, Rarissime G.M., Rose Précieuse, and Violette Précieuse. These appeal to the refined and the rich, and, although the prices are high, there is value for the money in quality and style. For example, Petit Mimosa is a fine, enduring, and subtle perfume, put up in a quaint-shaped stoppered bottle, the stopper of which is secured with gilt wire, and the label is an embossed gilt-metal disc cemented to the front. It is enclosed in a lemon-coloured case, and retails at 10*s.* 9*d.*, off which the retailer gets a liberal discount. Messrs. Cox have an illustrated circular about the products, a copy of which will be sent to any of our readers who asks them for it. It is a model circular.

MICAMASK PROTECTORS.—The public is taking a great interest in the question of providing respirators for neutralising German poisonous gases, and where shown respirators are finding a ready sale. Last week we referred to the Micamask protector made by J. M. Brown & Co., 118-122 Holborn, London, E.C., which sells at 2*s.* We have since had an opportunity of closely examining this form of respirator, which is illustrated in the company's advertisement in this issue. The Micamask protects the eyes and respiratory organs against noxious gases. It is covered with a nut-brown fabric, fitted with mica sight-holes and elastic and tape adjustments. The respirator portion contains no cotton-wool as this is held to interfere too much with freedom in breathing. We are informed that the Micamask protector has been tested under medical supervision in the physiological laboratory of a University.

Trade-Marks.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1915, p. 433.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £1) and lodged with Mr. W. Temple Franks, Comptroller-General, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned.

(*From the "Trade-marks Journal," June 2, 1915.*)

"BRUNOLINUM"; for a preserving fluid (1). By Hope, Hartope & Co., 26 Billiter Buildings, E.C. 366,730. (Associated.)

"GLASSOBLACK"; for a waterproof enamel for liquid-containers (1). By Baracid Co., Ltd., Caxton House, Westminster, S.W. 366,918.

"AURORA"; for radio-active products (2). By J. S. MacArthur & Co., 74 York Street, Glasgow. 366,367.

Heart-shaped device bearing three small hearts over words "THREE HEARTS BRAND"; for chemicals (2), goods (4), mineral waters, etc. (44), perfumes (48). By Duckworth & Co., Chester Road, Manchester. 365,921/923/924/925.

"RITO"; for chemicals (2). By The Molassine Co., Ltd., 23 Mark Lane, E.C. 365,502.

"BACTEROL"; for disinfectants (2). By L. V. Barnabe, 16 Tavistock Place, W.C. 367,083. (Associated.)

"UNEEVA"; for medicinal substances (3). By The Myerlene Remedies Co., 4 Bouverie Street, Paddington, W. 367,005.

Label device with word "LUX" and foreign printed matter; for a washing preparation (3, 47, and 48). By Lever Bros., Ltd., Port Sunlight. 363,336/7/8. (Associated.)

"NOMARA"; for a preparation of cascara (3). By J. Macphail, 81 Canning Street, Glasgow. 367,050.

"RESARF"; for ointment (3). By P. Fraser, 21 Cartvale Road, Langside, Glasgow. 367,133.

"BARCLOIDS"; for medicinal tablets (3). By Barclay & Sons, Ltd., 95 Farringdon Street, E.C. 367,187.

"LITHETIC"; for medicinal chemicals (3). By International Chemical Co., Ltd., 67 and 68 Bolsover Street, W. 367,190. (Associated.)

"CONFORMEX"; for lenses (8). By A. J. Esdaile, 24 High Street, Newport. 366,725.

"DELTOID"; for scientific instruments, etc. (8), and for surgical instruments, etc. (11). By The Delta Metal Co., Ltd., East Greenwich, S.E. 366,939/942. (Associated.)

"GLISSADE"; for safety razors (12). By W. J. Myatt & Co., Ltd., Argent Works, Graham Street, Birmingham. 367,287.

"SUMMIT"; for goods (42). By R. Lehmann & Co., Ltd., Peninsular House, Monument Street, E.C. 366,614.

"DANZOVIN," with device of girl holding grapes and glass; for a food (42). By J. Hobson & Son, Regent Street, Leeds. 366,786. (Associated.)

"SATUROL"; for all goods (47). By J. T. Findlay, 6 Lloyd's Avenue, E.C. 367,145.

Device of pouch with Chinese characters meaning "Tobacco pouch," "ERASMIC"; for goods (47). By J. Crosfield & Sons, Ltd., Bank Quay, Warrington. 367,281/279. (Associated.)

"ERASMIC"; for goods (47). By The Erasmic Co., Ltd., Bank Quay, Warrington. 367,279. (Associated.)

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

The Drug Fund.

BY A CLERK TO AN INSURANCE COMMITTEE.

The object of this article is particularly to inquire whether or not the sums available for meeting the calls upon the Drug Fund are adequate.

Owing to the war and the increased prices of commodities, the Tariff for 1915 was based on the principle that only prices would be fixed where there was no likelihood of heavy fluctuations; with regard to this latter class a Supplementary Tariff is agreed upon each month between representatives appointed by the British Medical Association and the Pharmaceutical Society of Great Britain. The war has materially altered the situation, and it is more than probable that extra grants will have to be made by Parliament to cover any possible shortage due to the remarkable increase in cost of raw material.

Long before war was declared the subject of the adequacy of the Drug Fund was being discussed by chemists, Insurance Commissioners, and Insurance Committees, who occasionally voiced their feelings through their representatives in Parliament. Memorandum 199/I.C., issued by the Commissioners in September 1914, was evidently drawn up without reference to the effect of war upon the Drug Fund, and drew the serious attention of Insurance Committees to the supply of drugs and appliances, and opened with the very pronounced statement that the Commissioners were satisfied that a considerable portion of the charges upon the Drug Funds of Insurance Committees could have been avoided without loss of efficiency, and even with positive advantage to insured patients, by properly directed economy in prescribing. If this statement is correct, the matter is one which should receive even more attention than it has done at the hands of many Committees.

The situation is a very delicate one for the chemist, and the writer would respectfully suggest that in future regulations some power might be given to an independent body or to the Insurance Committee to initiate inquiry—a burden which at present is thrown on chemists, who are loth to investigate causes of deficiency with the object of surcharging practitioners, mainly through fear that the result may prove of detriment to them in their private sphere. On the other hand, when representations are made, practitioners naturally do not feel disposed to recommend, through their Panel Committee, the surcharge of any colleague. Insurance Committees are the bodies who receive complaints from chemists of non-payment, and were they empowered to initiate inquiry into the cause of apparent excessive prescribing, safeguarded by provisions whereby both the Pharmaceutical and Panel Committees would have to be consulted, it is probable that many more inquiries would be instituted than at present take place.

In the early part of last year it became apparent to my Committee that the amount of the accounts sent in by chemists far exceeded the money that would be available for drugs, medicines, and prescribed appliances. Members of my Committee were, however, disposed to wait until the summer to see whether the fine weather would not automatically cause matters to be adjusted: but, as no serious diminution took place, the Panel and Pharmaceutical Committees were persuaded to move in the matter. First, the Pharmaceutical Committee analysed the accounts for the first three months of the year, and arranged them in such a way as to show the number of prescriptions given by each doctor, the average price per prescription, and the average per insured person on practitioners' lists. The result revealed great differences in the cost of prescribing by different doctors. Next the Panel Committee scrutinised this analysis, and pointed out the large proportion of the total cost attributable to dispensing-fees over and above the profit made on the Tariff prices. With this information available, the Panel Committee arranged to forward a copy of the statistical return to each practitioner on the panel, with a suggestion that he should call at the offices of the Committee for the purpose of inspecting his own prescriptions and seeing for himself where the money had gone. The doctors were also invited to make suggestions for the amendment or improvement of the Tariff for 1915. The result was most gratifying to the Insurance Committee and all concerned. It was invariably found that the practitioner little realised how costly to the Committee his prescriptions were, and, after explanations from our dispenser and checker of prescriptions (who is engaged on the premises of the Committee), not only promised to give the matter careful consideration, but appreciated what had been explained.

The majority of practitioners had not been used to club-practice work before the National Insurance Acts, but, strange to relate, those who were costly prescribers represented a minority of practitioners who did not, through indifference or ignorance, appreciate the importance of accurate and careful prescribing, nor of the need for satisfying themselves that the medicine could have been used by the patient in the time covered by the prescription. The following month showed a remarkable diminution in the average cost of prescriptions, and at the end of the year what early on had appeared likely to be a large deficit was probably turned into a small surplus. At any rate, the chemists have already been paid 90 per cent. of their accounts for the whole year, and can look forward with every prospect for the discharge in whole or in greater part of their remaining 10 per cent.

The information thus obtained was put to good use when the Tariff for 1915 was agreed upon, and an important clause in our Tariff stipulated that where pills, capsules, powders, tablets, ointments, etc., and all liquid medicaments were ordered uncompounded, no dispensing-fee was to be charged. Castor oil, cod-liver oil, and emulsion of cod-liver oil are good illustrations where, with many Committees, the chemist's total charge to the Committee is more than it would be to an ordinary customer, by reason of the dispensing and emulsion fees which are added to a commodity only poured out of stock bottles. Five months' working on this principle in our area has brought an appreciable reduction in the accounts presented by chemists, with little demur on their part. Is it not better to be content with a reasonable profit and expectation of payment in full than to allow a Tariff with inflated prices and prospect of discounting? Personally, I am certain that the Insurance Committee will at no distant date, if necessary, be prepared to increase the prices allowed by the Tariff for these uncompounded articles, provided the dispensing-fee continues to be not allowed, and thereby permit of a fair profit on goods supplied.

How many Committees take the trouble to check prescriptions against the Medical Index Register, to see that prescriptions are only given to persons who are on the lists of the prescribing practitioners? Where checking is done centrally this does not appear to be practicable.

Since November 2, 1914, thousands of persons have been suspended from Medical Benefit for various reasons, and, still further, considerable numbers are being daily suspended on account of enlistments. From examinations which have recently been conducted in my office, it should be well worth the time and trouble to have this process carried out.

Again, how many Committees take the trouble to see that the insured obtain the proper quantity of medicine? There are, happily, a very small number of cases in which the quantity supplied is incorrect; but while doctors cannot be expected to act as detectives, still, if they are properly approached, they will no doubt aid Committees to see that their prescriptions are accurately dispensed and only used by insured persons.

It must be remembered that practitioners are in the main not business men, and some will not take the trouble to adjust their registers in the light of notifications received from Insurance Committees of suspensions, trusting too much to their memories and personal knowledge of their patients. A very glaring case which occurred quite recently can be cited as a typical instance. Two costly prescriptions had been given each week to a person by a practitioner, who, on inquiry, admitted that the patient had been transferred from his former Approved Society to the Seamen's National Insurance Society, and should not accordingly have received medicine at the cost of the Insurance Committee.

It will be within the knowledge of many that practitioners also, in defiance of the instructions received from Insurance Committees, occasionally supply drugs to persons after their enlistment. This is a matter of vital importance to the Drug Fund, and Pharmaceutical Committees in particular will be well advised to see that something is done in the direction indicated during the present year.

In various parts of the country local Pharmacopœias have been adopted in order that practitioners might prescribe under one name a variety of articles in common use. Experience has no doubt proved how costly some of the articles enumerated in this list have been, and there is little doubt that, in the light of experience gained during the past two and a half years, new Pharmacopœias will be issued whereby such articles may prove less costly than heretofore.

It would be interesting to learn from the Departmental Committee now sitting the differences which at present exist in the prices of certain articles in universal use in various parts of the country, and which particular Committees have from time to time specially provided for in

their Tariffs. There is little doubt that if Insurance Committees and their Tariffs are closely studied by those in authority, the result will be the issue of a Tariff whereby goods can be supplied with a reasonable margin of profit and with prospect of payment in full.

Within the area of our Committee there are over 100,000 insured persons, and, after most exhaustive inquiries, I am convinced that in normal times, provided steps are taken to guard against irregularities as indicated above, the 2*s.* allowed for drugs, medicines, and prescribed appliances is ample to provide articles of good quality, except in industrial areas where large numbers of women are employed or hazardous occupations for men are undertaken.

Reports from Local Centres.

With special reference to the supply of medicines and appliances. See also Association Affairs.

ENGLAND.

Blackburn.—The Insurance Committee met on June 15, when it was reported that the Joint Sub-Committee had considered the difficulties that arise in checking repeat prescriptions, and it was resolved to recommend the Medical Benefit Sub-Committee to consider the question of prohibiting the use of "rep. mist." and of revising and extending the local Pharmacopœia. The Clerk reported that in the quarter ended December 31, 1914, 42,896 prescriptions had been dispensed, at a cost of 1,399*l.*, average 7.82*d.* per prescription. In March 1915 the number was 22,062, value 682*l.*, and the average 7.42*d.* A comparative statement for the first quarters of 1914 and 1915 showed the following figures:

1914: Prescriptions 62,203, value 2,365*l.*, and average cost 9.12*d.*

1915: Prescriptions 59,271, value 1,878*l.*, and average cost 7.6*d.*

The Drug Fund permitted payments of 50 per cent. only for the latter quarter.

Derby.—At a meeting of the Insurance Committee on June 16, the Medical Benefit Sub-Committee reported on an investigation regarding the 1913 prescriptions and the deficiency on the 1913 Drug Fund. The investigation indicated that the deficiency was partly due to the ordering of proprietary articles and some costly dressings, the use of which has since been disallowed as a result of inquiry by the Panel Committee, and partly to the use of "repeat" prescriptions. The Sub-Committee considered that if the deficit continues it might be necessary to disallow "repeat" prescriptions; meantime they recommended that the practice be confined to prescriptions containing one item only. It was also recommended that prescriptions for malt extract and cod-liver oil, which had proved one of the heaviest items, should be restricted to Sanatorium patients. The treatment of venereal diseases had added considerably to the drug-bill, and it was suggested that the cost of drugs and dressings in these cases should be borne by the patients themselves. There was no evidence that extravagant prescribing had been general, although it had occurred in a few isolated cases, and the Sub-Committee was therefore forced to the conclusion that in an industrial district like the Committee's area, with a large proportion of female workers, the available Drug Fund is not adequate. The Committee were further recommended to pay 15*l.* towards the cost of the investigation, leaving 10*l.* to be paid by the Pharmaceutical Committee. In the course of a short discussion on the recommendations, which were eventually adopted, it was urged by representatives of Approved Societies that the insured person is entitled to the best of treatment. Dr. Helen Greene thought that, notwithstanding the recommendations, the doctors should be allowed a certain amount of latitude.

Derbyshire.—The Commissioners have agreed to a further payment of 5*l.* per 1,000 insured persons being credited to the Insurance Committee, thus reducing the 36-per-cent. deduction (*C. & D.*, May 22, p. 93). The Committee has requested doctors and Approved Societies to remove from their lists immediately the names of all persons who have enlisted, pointing out that if this is done there will be no necessity for even a 15-per-cent. reduction.

Exeter.—The members of the present Pharmaceutical Committee have been renominated.

Hull.—A meeting of panel chemists was held on June 9, at the Grosvenor Hotel (Mr. E. H. Earle presiding), to receive the report of the Pharmaceutical Committee for the past year and to arrange for the forthcoming election. Attendances at the eleven meetings which were held were reported as follows: Mr. Earle, 9; Mr. Staning, 10; Mr. Smith, 10; Mr. Spilman, 8; Mr. Selle, 11; Mr. Bennett, 9; Mr. Foster, 7; Mr. Snowden, 10; Mr. Good, 10; Mr. Walton, 10; Mr. Robinson, 9; and Mr. Robson, 6. The Hon. Treasurer (Mr. W. Staning) in his report, stated that at a joint meeting of the Panel and Insurance Committees early in 1914 it was decided to apply for 50*l.* administrative expenses. The checker was paid 40*l.*, the balance being handed to the Treasurer. In July it was decided to scrutinise the prescriptions, and a further grant of 20*l.* was then received, which enabled them to pay their liabilities, leaving, on December 31, 1914, a balance of 9*l.* 18*s.* 3*d.* During the current year a quarterly scrutiny has been instituted, which will cost 30*l.* per annum. Application had been made for a grant of 100*l.*, but the money has not yet been received. The balance in hand is 1*l.* 6*s.* 9*d.* The report was adopted. The following were suggested as candidates for the new Committee: Messrs. Bennett, Earle, Good, Spilman, Walton, Snowden, Selle, Sawyer, Richardson, Staning, Robinson, and Chapman.

Hyde.—Panel practitioners have declined to fall in with the request of the chemists to write prescriptions for repeated medicines in full (*C. & D.*, May 29, p. 56). In a number of cases chemists have referred patients or messengers to the prescriber to have "Rep. mist." prescriptions written out in full. This the doctors have refused to do. Some days ago the Secretary of the Cheshire Insurance Committee wired to each chemist in Hyde that "Rep. mist." prescriptions should be made up pending an urgent meeting of the Insurance Committee to consider the matter. The chemists, however, continued adamant and refused to dispense "Rep. mist." prescriptions. We are informed, however, that later two of the chemists failed to act up to the terms of the notice sent to the doctors by the general body of chemists, and that the Insurance Committee now has the matter in hand and intends holding an inquiry into the whole question.

Ipswich.—At a recent meeting of the Insurance Committee it was stated, on the report of a Sub-Committee, that the charges for prescriptions are the lowest in the country. This is due to the existence of a working agreement between the doctors and the chemists.

Liverpool.—The Pharmaceutical Committee has issued to panel chemists a circular-letter, which states that the Committee has inspected chemists' accounts for 1914 and reviewed the corrections made by the checkers. The Committee has been obliged to disallow on several accounts Mead's adhesive plaster and Gamgee tissue, which are not included in the schedule of appliances. Prescriptions are frequently dispensed when the name and/or address of the patient is omitted; unsigned prescriptions also occur. It is pointed out that a prescription is not a complete voucher unless signed by the doctor, and, in the absence of such signature, should be referred back. Notice is given that after June 30 incomplete prescriptions will be disallowed. It is hoped that monthly payment of accounts (*C. & D.*, May 15, p. 57) will be possible at an early date. The Insurance Committee has agreed that chemists' accounts should be rendered sorted according to doctors and summarised on sheets provided for the purpose. This will take effect for the current quarter, will expedite the arrangement of monthly payments, and will prove a considerable economy should the Committee be obliged to scrutinise the 1915 prescriptions under Article 40 of the Regulations.

London.—The Pharmaceutical Committee for the County of London met at its offices, Bank Chambers, High Holborn, W.C., on Tuesday, June 15, Mr. J. Keall (Chairman) presiding. A chemist wrote thanking the Committee for its action in regard to his account. It was decided to press the Insurance Committee again on the matter of cipher prescriptions. The Panel Committee wrote about its reasons for being unable to carry out completely Regulation 40 (see *C. & D.*, June 5, p. 52). The first annual report and statement of accounts was submitted and adopted. It dealt in detail with every bit of business done by the Committee and its officers during the year, and cannot be usefully summarised at this time. Every panel chemist is to get a copy of it. The financial statement is "private and confidential." The accounts were audited by Messrs. H. Raithby Procter and A. R. Keith, who remarked: "Although not included in the Committee's accounts, we are informed that the sum of 723*l.* 4*s.* 10*d.* has been deducted by the London Insurance Committee from the funds set aside (2,600*l.*) for the administrative expenses of the Committee, for the purpose of defraying one-third part (the Committee's contribution) of the cost of the examination and analysis of prescriptions as agreed jointly by the Panel, Pharmaceutical, and Insurance Committees." A vote of thanks was accorded to the auditors. Among matters reported by the Secretary were the Panel Committee's proposed withdrawal from the checking arrangement; that the Insurance Commissioners will be

interviewed regarding the increase in the cost of drugs due to the war; that the Insurance Committee agree to continuing for three months special service by him in a particular district; the difficulties regarding doctors' triplicate prescriptions; and reports were also submitted on the January and February accounts examined (showing 8.42*d.* to be the average cost per prescription for January and 8.28*d.* for February), and statistics representing 1,160 doctors. Mr. Tocher has sent 41,590 prescriptions from the first quarter of 1914 to the Drug Tariff Committee.

Middlesex.—The Pharmaceutical Committee met at 17 Bloomsbury Square on June 9, Mr. H. E. Clement in the chair. Progress on various matters that are still *sub judice* was reported and commented on. The report of the Checking Sub-Committee was submitted by Mr. Skinner, and it was proposed to send particulars of the prescribing of twenty doctors to the Panel Committee for investigation. It was pointed out that pharmacists are still very dilatory in sending in accounts by the date agreed upon—viz., the 3rd of the month. Most of the complaints that have been received are due to this. It was agreed that in future any chemist sending in his account after the agreed date be informed on his acknowledgment postcard that the account has been referred to the succeeding month. The April returns are as follows: Number of accounts, 281; value, 2,865*l.* 13*s.* 8*d.*; average cost, 8.07*d.* It was stated that the average cost has been rising since January, when the figure was 7.85*d.* Cheques for these accounts will be drawn on June 21. The action of the Secretary (Mr. Hugo Wolff) on various matters was confirmed.

Northampton.—The Medical Benefit Sub-Committee presented to the Insurance Committee on June 8 statistics prepared by the Clerk showing that during the quarter ended March 31, 1915, seven practitioners had exceeded the 1*s.* 6*d.* allowed for drugs, five of them having also exceeded the 2*s.* limit. The highest individual amount over the limit was 15*l.* 6*s.* 8*d.* Dr. Cooke said that there had been undoubtedly a too lavish use of expensive drugs. Certain proprietary articles had been prescribed when the very same thing could be obtained under another name more cheaply. Mr. F. C. Ashford (chemist) said that the chemists are of opinion that the Drug Fund is sufficient. If some practitioners could make the money go far enough, then others ought to do so also. Certain proprietary articles, mostly of German make, had gone up tremendously in price, but are still being prescribed, though plenty of other things equally good can be obtained. It was proposed and seconded that the paragraphs of the report dealing with the matter be referred back to have the names of the practitioners given, but this was defeated, and the report was adopted.

Rochdale.—The Medical Benefit Sub-Committee reported that for the quarter ended December 31, 1914, chemists' accounts as checked amounted to 745*l.*, the net overcharges on the accounts being 18*s.* For the year chemists' accounts amounted to 4,192*l.*, of which 3,520*l.* was paid, leaving a balance of 673*l.* The average cost per prescription was 8.63*d.* For 1913 118,522 prescriptions (value 4,100*l.*) were dispensed. It was recommended that for the current quarter payments of 90 per cent. (787*l.*) of the estimated sum available should be paid to chemists. The Commissioners have been asked for their approval to an arrangement agreed to by the Panel and the Pharmaceutical Committees for "the Drug Fund balance for 1913 to be carried forward to 1914," and have replied that "it would not be open to the Committee to carry forward the amount of the unpaid chemists' accounts for 1913 to 1914 for the purpose of ranking for dividend with the accounts of 1914."

Rotherham.—The Insurance Committee on June 7 decided to pay in full the chemists' accounts for May, amounting to 116*l.* Payments to dispensing doctors for 1913 amounting to 72*l.* were also passed.

Sheffield.—A meeting of panel chemists was held on June 10 in the Rooms of the Literary and Philosophical Society, Mr. H. G. Williams presiding, to nominate members for the new Pharmaceutical Committee. With the exception of Mr. O. Wright, who had failed to attend any meeting, the members of the present Committee were renominated, and Mr. S. Furnival, Hon. Secretary of the local Association, was nominated in place of Mr. Wright.

Soke of Peterborough.—Mr. C. Gibbons, chemist and druggist, Woodstone, having represented to the Insurance Committee that, owing to some misunderstanding, he was under the impression that the current Insurance year terminated on June 30; that he had arranged to leave Peterborough on that date; and that his proposed withdrawal would cause very little inconvenience, the Committee decided to release Mr. Gibbons from his agreement on June 30 or earlier if necessary (*C. & D.*, May 29, p. 56).

Southend-on-Sea.—At a meeting of the Insurance Committee on June 8, the Chairman (Councillor H. W. Cooper), referring to the reports of the discussion on the payments to chemists at the last meeting of the Committee (*C. & D.*, May 22, p. 95), said these reports seemed to convey an impression that the chemists are receiving money which they are not entitled to, and which rightly belongs to the medical practitioners. He wanted to make it clear that that idea is erroneous. Both the chemists and the medical men are entitled to full payments, and the payments made are on account only. Dr. J. F. Walker said that, as regards the doctors getting full payments, if they do it will be the first time in the history of the Act. They yet had payments owing to them for 1913. He gathered that the chemists felt aggrieved at his remarks at the last meeting of the Committee. He was sorry that he could not withdraw anything he had said. His point was that as yet they had received no explanation of how the discrepancy occurred. He understood that the estimate was arrived at solely and wholly by Mr. Goode without the knowledge or permission of the chemists. When, at the last meeting, he said it was plain that the chemists had either deceived the doctors or that there had been carelessness, he received the assurance from Mr. Body (chemist) that the chemists as a whole did not draw up the statement. He willingly accepted that assurance, and exculpated chemists from any charge of carelessness and deceit.

Staffordshire.—The local Medical and Panel Committees, at their May meeting, decided that the use of the formula "Rep. mist." shall be restricted to the month in which the original prescription is given. Several cases of alleged excessive prescribing were considered, but satisfactory explanations or assurances having been given by all the practitioners concerned, no surcharges were recommended. It was resolved to urge upon the Commissioners that dispensing doctors should share proportionately in any extra grant to the Drug Fund.

Wiltshire.—The Panel Committee, at its May meeting, concurred in the application of the Pharmaceutical Committee for administrative expenses for 1915 (20*l.*), but reserved the right of refusal another year, or whenever the war is over. The Committee referred to the Commissioners for their opinion and approval a suggestion from the Pharmaceutical Committee that a footnote relating to the use of tap-water be added on p. 3 of the Tariff to the effect that dangerous incompatibility will occur—the element of danger being relative to dose—in (1) all cases where poisonous alkaloids are prescribed; (2) solutions of mercurial salts; (3) chloral hydrate and its preparations; and (4) acid solutions of arsenic; and that chemists be advised to use aq. destill. where those drugs are prescribed, and charge Tariff rates.

Yorkshire.—A report presented to the West Riding Insurance Committee on June 12 by the Sanatorium Benefit and Deposit Contributors' Sub-Committee indicated that only 3*l.* had been spent on drugs supplied to insured tuberculous patients. The Committee recognised that practitioners must have inadvertently prescribed for such patients on ordinary prescription-forms, and resolved, with the approval of the Commissioners, to transfer 100*l.* from the Sanatorium Benefit Fund to the Drug Fund.

SCOTLAND.

Hamilton.—The monthly meeting of the Pharmaceutical Committee was held on June 8. It was agreed to include 10*l.* in the estimated expenditure for 1915 as a contribution to the expenses of the Central Checking Bureau. The Committee discussed the Bureau Superintendent's circular, and agreed that code prescriptions should be disallowed, but did not agree to the suggestion that medicaments ordered by proprietary names and not underlined should be disallowed, as it is probable that the last has not yet been heard of the prescribing of proprietary preparations. It was reported that the April accounts showed a decrease of 18*l.*, and the number of prescriptions was 384 less than in April 1914. The Insurance Committee has agreed to advance monthly 90 per cent. on the average of each chemist's prescription-forms for 1914, thus enabling prompt payments on account to be made on receipt of the certified number of prescriptions each month. Miss Margaret C. Brownlie was elected a member of the Committee in place of Miss Cassie, resigned.

WALES.

Glamorganshire.—At a meeting of the Insurance Committee on June 10, a list of stock mixtures was submitted by the Panel Committee, but as the Pharmaceutical Committee objected to the principle, the matter was referred to the Commissioners for their decision. It was reported that a temporary staff is engaged in a scrutiny and analysis of the 1914 prescriptions, with a view to putting Article 40 of the Medical Benefit Regulations into force.

Monmouthshire.—At the May meeting of the Panel Committee notice was given of a motion to rescind the resolution recently passed by the Committee refusing approval of a grant to the Pharmaceutical Committee for administrative expenses. A Sub-Committee was appointed to scrutinise the 1914 prescriptions and report thereon, when the question of surcharges will be considered.

Association Affairs.

Bournemouth.—A meeting of the local Association was held at the Gervis Hall on June 11, Mr. T. Hirst presiding over an attendance of about twenty members. This being the President's first meeting since his election, Mr. W. A. Bingham (Vice-President) heartily welcomed him on behalf of the members. The Hon. Secretary (Mr. J. H. Scampton) then reported on the work of the Association and the Pharmaceutical Committee, and the members of the latter body were nominated for a further term of office. Congratulations were accorded to the Secretary on his recent appointment to the Board of Management of the Royal Victoria Hospital.

Bradford.—The first general meeting of the local Pharmacists' Association in their new rooms at the Talbot Hotel was held on June 15, Mr. R. T. Silson presiding. Thirty members were present. The President sympathetically referred to the death of Mr. S. Sowden. He had conveyed the sincere condolences of the Association to the family. Mr. R. Day and Mr. A. Craven were admitted as members. The President mentioned that chemists in the Manningham district had formed a rota which enables each to have three Wednesday evenings off out of four, at the same time maintaining an efficient service. The question of chemists in other areas adopting a similar measure was discussed, but nothing definite was decided upon. The increased charges for patent medicines was mentioned by the President, and Mr. Sutcliffe said he understood that the Local Associations Executive is dealing with this matter and will make recommendations to the Associations in due course. In answer to Mr. W. E. Metcalfe, the President said he understood that pharmacists were recommended to accept the emergency settlement for the 1914 Insurance accounts, but the Bradford Pharmaceutical Committee is waiting to hear from the Pharmaceutical Society. The Secretary (Mr. F. E. Burdett) presented a report of the work of the Pharmaceutical Committee. A conference of panel doctors and chemists about "Rep. mist." had been held, and it had been agreed to circularise the doctors upon the matter, advising them to restrict the use of the term "Rep. mist." as much as possible. Upon the request of the doctors, the Pharmaceutical Committee agreed to co-operate with them in the production of a new Formulary on the understanding that the doctors would not put the stock-mixture clause into operation. Together with Mr. F. W. Penty and Mr. D. S. Priestley he had scrutinised the 1914 prescriptions, and the names of forty-one doctors had been sent to the Panel Committee for (1) exceeding the average cost per patient treated by 1*s.* or over (twenty-seven doctors); (2) having over ten prescriptions per case treated (thirteen doctors); and (3) having either more than 1 per cent. in numbers or 5 per cent. in total value of their prescriptions over 3*s.* each. Mr. Penty and Mr. Stead also spoke. It was resolved to nominate the members of the Committee for election, together with an additional nomination which had been received.

Brighton.—The adjourned annual meeting of the Brighton and Hove Association of Pharmacy was held at the Camera Club, Castle Square, on June 9, Mr. C. G. Yates in the chair. Mr. C. S. Ashton (Hon. Secretary) read the annual report, giving details as to the numerical strength of the Association and reviewing its activities during the past year. In submitting the balance-sheet, it was shown that, notwithstanding the abnormal expenditure, with the payment of outstanding subscriptions the financial position would be satisfactory. The Secretary read a letter from Mr. W. H. Gibson asking the members to accept his resignation as President, assuring them of his unswerving loyalty and continued support. Having filled this office for the past twenty-two years, Mr. Gibson's invaluable service was eulogised by several of those present, and a valedictory resolution was passed unanimously acknowledging his work and regretting his relinquishment of the office which he had so faithfully filled. The officers elected for the ensuing year were as follows: *President*, Mr. C. G. Yates; *Vice-Presidents*, Messrs. W. H. Gibson, A. J. Franklin, J. Padwick, and W. D. Savage; *Treasurer*, Mr. J. R. Gwatkin; *Hon. Librarian*, Mr. C. S. Ashton; *Hon. Secretary*, Mr. E. A. Jones; *Assistant Hon. Secretaries*, Messrs. K. J. Padwick and G. B. Savage; *Committee*, Messrs. Baker, Black, Churchill, Flatman, Greening, H. R. Gwatkin, Hall, Hewett, A. Plowright, J. Plowright. Mr. C. S. Ashton, the retiring Hon. Secretary, was given a vote of thanks for the manner in which he had filled the post during a critical period. With regard to the special water charge levied on certain traders, including chemists, it was decided that, in the event of an appeal by the Corporation against an adverse decision, a fund should be formed to which members could contribute individually in order to assist those who are fighting the case. In view of a forthcoming Ucal exhibition, Mr. H. Milner Black explained the methods and principles on which Ucal conducts business. It was decided to drop the idea of issuing a minimum price-list for drugs, etc., owing to the difficulty of agreement in an area so wide. Nominations having been received for the election of the Pharmaceutical Committee, Mr. H. Milner Black reviewed the existing Insurance situation, and, in replying to questions, gave panel pharmacists much useful and interesting information.

London (E.).—The annual meeting of the East London Pharmacists' Association was held at Limehouse on June 10, Mr. G. W. Hatfield (President) in the chair. Mr. Keith gave particulars of the reform propaganda undertaken by the London County Executive, and a resolution of approval was passed and forwarded to the Executive. The balance-sheet for the expiring financial year was presented and adopted. Mr. Hatfield announced that through pressure of duties he would be unable to continue his presidentship of the Association, and his resignation was received with regret. Mr. A. R. Keith was elected *President* for the coming year and Mr. A. Coulton *Vice-President*. Messrs. Edgar, Goode, Hines, and Styles will constitute the *Committee*, and Mr. B. Abelson will continue to act as *Hon. Secretary*. Mr. G. W. Hatfield was nominated as candidate for the London Pharmaceutical Committee, and Mr. A. R. Keith as reserve candidate in the event of a further vacancy arising. Messrs. Keith and Abelson will represent the Association on the London County Executive. A vote of thanks was accorded Mr. Hatfield for his services to the Association, both locally and as representative on divers pharmaceutical bodies. The ordinary business of the meeting terminated, Mr. Keith proceeded to enrol members of the newly formed East London Pharmacists' Bowling Club, which will meet by appointment at the Poplar Bowling Green during the summer months.

London (S.E.).—The annual meeting of the South-East London Pharmacists' Association was held on June 10 at Lewisham, the President (Mr. J. Y. Fairweather) in the chair. The Hon. Secretary (Mr. E. G. Price) read his annual report, showing that the membership had increased and the Association had held a successful session. He stated also that already better conditions of business are being enjoyed by members in some areas in the S.E. district. The Treasurer's report showed a balance of 26*l.*, being 6*l.* above last year. Votes of thanks were passed to the Hon. Secretary and Treasurer for their services. The Council for the ensuing year was elected as follows: Messrs. Brooks, W. A. Curnow, J. Y. Fairweather, N. Sinclair, J. W. Green, C. Happold, F. W. Harris, J. E. Lockyer, J. Milner, G. Waite Wilson, E. G. Price, W. Ralph, W. C. Sayers, C. Siddle, W. T. Tucker, A. J. Wing, Corrall, and Skues. The President gave his valedictory address. He counselled the members to stand by their agreements with the Insurance Committee, and deprecated the action of some pharmacists in going off the panel at the present juncture. He advocates strict loyalty to the London Association. Mr. Fairweather was thanked for his address and work during his year of office. At a Council-meeting immediately afterwards the following officers were elected: *President*, Mr. A. J. Wing; *Vice-Presidents*, Messrs. E. G. Price and C. Happold; *Hon. Secretary*, Mr. J. Milner; *Treasurer*, Mr. W. Ralph; *Financial and Social Secretary*, Mr. Tucker; *Auditor*, Mr. W. A. Elkington.

Manchester.—A special meeting of the Manchester Pharmaceutical Association was held in the Manchester Chess Club Room, 67 Market Street, on June 9. Mr. W. H. Delve, the newly elected President, occupied the chair, welcomed the members to the new home of the Association, and explained the benefits which the members will enjoy through their connection as honorary members of the Manchester Chess Club. Cards of membership which entitle members to the free use of the Chess Club will be issued on payment of the annual subscription. The clubroom is reserved for the exclusive use of members of the M.P.A. every Wednesday from 2.30 P.M. to 6.30 P.M., but they have access to the room at all times for social purposes. The President asked the members to make full use of these advantages. Refreshments are obtainable in the club. The

President also asked members to send in lists of subjects suitable for discussion during the coming session, and suggested that the programme of the London County Pharmaceutical Association be adopted by their Association, the following items being mentioned: (1) Abolition of the discounting clause in the N.H.I. agreement; (2) reduction of business hours; (3) abolition of the practice of breaking bulk in regard to proprietary pills, powders, etc.; (4) establishment of minimum profits on proprietary articles; (5) refusal to stock and sell certain proprietary goods. After dealing with each one of these briefly, the President said he was very pleased to see the prospect of chemists' hours of business being shortened. Already in several parts of Manchester chemists are closing earlier, and he was glad to see that events are moving in the right direction, although there is still plenty of room for improvement. He enumerated several of the proprietary pills and powders referred to above, and said it is quite time chemists throughout the country took a firm stand against this evil, which is increasing. Mr. Delve said that most pharmacists' businesses have been maintained during the trying period of the war, and thought that chemists are suffering from the effects of war probably less than any class, although the high prices prevailing have lessened profits. He urged chemists to cultivate a cheerful and optimistic spirit in their business. Optimism enables a man to foot life bravely and help along the great victory which will come eventually to the forces of justice and civilisation. Mr. W. Kirkby, M.Sc., who is chiefly responsible for the arrangements with the Manchester Chess Club, outlined the history of the Association since its formation in 1868, the year of the passing of the Pharmacy Act, and of the efforts of the older members of the Association to keep the Association going. He was gratified at the present prosperity of the Manchester Pharmaceutical Association, and hoped that its entry into new quarters was the beginning of a still more prosperous era. Mr. James Grier, M.Sc., took the opportunity of appealing to the members for funds on behalf of the Manchester chemists' assistants for the proper equipment of the members of the Voluntary First-Aid Detachment, of which the assistants of the wholesale and retail drug-trade in Manchester and Salford are members. Uniforms and stretchers are necessary. The assistants are hoping to be of service as orderlies in the different hospitals, in meeting trains, and helping in other ways. Messrs. Blain, Bates, and Simmonds (Salford) also spoke, after which all the members present were provided with refreshments at the invitation of the President, which Mr. F. W. Bates said was setting a precedent which future Presidents should note. The President received a vote of thanks for his hospitality.

Middlesex.—A meeting of the Executive of the Middlesex Pharmaceutical Association was held on June 9 at 17 Bloomsbury Square, London, W.C., the Vice-President (Mr. Herbert Skinner) occupying the chair. Arising out of the Secretary's report came the question of late hours at which doctors start seeing their patients, and after discussion it was agreed, on the motion of Mr. Webber, seconded by Mr. Duncan, that the attention of the Insurance Committee be called to this to see if a remedy can be found. The annual report of the Association's work was summarised, and the Secretary was instructed to have copies circulated, together with proposals for enlarging the Executive beyond the limits of the Pharmaceutical Committee. Nominations were made for the new Committee, and placed in the hands of the Secretary.

Salford.—The annual meeting of the Salford Pharmacists' Association was held at "Sons of Temperance," The Crescent, on May 13, under the chairmanship of Mr. Gill (President), and was well attended. The Secretary gave a report of the work of the past session, and expressed his satisfaction at the united and friendly feeling exhibited by the members. He paid a tribute to the work done by Mr. Gill, and also by Mr. Simmons as Secretary of the Pharmaceutical Committee. The Treasurer gave his report, which showed a good financial status, an increased balance being carried forward. Mr. Gill, in a *résumé* of the year's work, said there is cause for satisfaction from all sides. The Scrutineers' report revealed the election of the following members of the Committee: Messrs. Bellringer, Culliford, Davison, Gill, Harrop, Jones, Simmons, Stout, and Thompson. Mr. Jones was unanimously elected *President*, while Mr. Harrop and Mr. Davison were cordially re-elected *Treasurer* and *Secretary* respectively. A vote of thanks to the retiring President terminated the meeting.

THE FIRST SODA-WORKS in Germany were erected in 1843 by Hermann at Schönebeck, near Magdeburg, and the first leaden-chamber sulphuric-acid plant by Kunheim in 1844 on the Templehof Plain, near Berlin.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

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42 Cannon Street, E.C., June 17, 6.30 p.m.

ALTHOUGH business in crude drugs is quiet, as is usual in June, the so-called fine and heavy chemical-markets absorb a large amount of interest as prices continue to advance owing to the attitude of holders as the result of a further depletion in spot supplies. This especially applies to potassium salts, cream of tartar, tartaric and citric acids. Bromides continue to sell at a premium on the makers' nominal values, and have become comparatively scarce, American manufacturers limiting their sales to very small lots. Bichromates of potash, ammonia, soda, and chromate of soda are higher. "Hypo" is in good inquiry at a wide range of prices. Mercurials, iodides, morphine, codeine, caffeine, and bismuth salts are all difficult to obtain for prompt delivery, and some large export inquiries have been "turned down." Refined camphor is quiet; opium is firmly held, and glycerin has been more active; santonin, milk-sugar, resorcin, and hexamine are more or less firmer. Cocaine is cheaper.

Higher	Firmer	Easier	Lower
Bichromate ammonia	Ammonia sulphate (London, Hull)	Anise oil, star	Antimony (Ch. cr.)
,, potash	Coca-leaves (Amst.) auction	Cloves	Canary-seed
,, soda	Cod-liver oil	Cocaine	Cocoa-butter
Bitter almond oil	Copper sulphate	Linseed oil	Coconut oil
Bromides	Cream of tartar	Shellac	Menthol
Citric acid	Galls		
Linseed	Hexamine		
Mercury	Lemon oil		
Methylated spirit	Milk-sugar		
Potash permang.	Pepper		
Potash prussiate	Santonin		
Soda caustic	Tannin albuminate		
Soda chromate			
Soda hyposulphite			
Turpentine			

Cablegrams.

BERGEN, June 17.—The cod-fishing in the Finmarken district is closing. Market firm, at 165*s*. per barrel c.i.f. Hull for best non-congealing medicinal oil.

NEW YORK, June 16.—Cartagena ipecacuanha is lower at $3.50 per lb. Curaçao aloes is easier at 11½c. and Canada fir balsam is lower at $5.50. American saffron is dearer at 60c. per lb. Arnica-flowers have been reduced to 19c. Cascara sagrada is steady at 8c. Opium, peppermint oil, and menthol are unchanged.

London Markets.

ACETIC ANHYDRIDE is quoted at 270*s*. per cwt. in carboys.

ACETONE.—Pure to the latest British Government specification is quoted 130*s*., 80-per-cent. commercial 80*s*., and solvent ketones 65*s*. to 70*s*. per cwt. net, ex wharf London, in 6 to 7 and 10 cwt. loaned drums. To arrive rather less would be taken.

ACETYL-SALICYLIC ACID.—Sales have been made this week at 30*s*. per lb., and further limited supplies are expected.

ALMOND OIL.—The essential oil of bitter almond distilled from true almonds has recently been advanced about 3*s*. per lb. to 23*s*., and to 26*s*. for s.a.p.: the essential oil distilled from peach or apricot kernels, usually sold as

bitter-almond oil (ol. persicæ essent.), is also dearer at from 20*s.* to 23*s.* per lb., the latter for s.a.p. Bitter almonds and peach and apricot kernels are extremely scarce; on the other hand, sweet almonds are plentiful.

Ammon. Muriate.—Large crystals in casks are quoted at 40*s.*, medium crystals 38*s.* 6*d.*, and granular 35*s.* per cwt. net in casks, ex wharf London.

Ammonia Sulphate is firm, at from 13*l.* 2*s.* 6*d.* to 13*l.* 10*s.* net per ton, naked at works, London, for 25-per-cent. ammonia; Hull, 24-per-cent., is 13*l.* 17*s.* 6*d.*; Liverpool, 14*l.*; Leith, 14*l.* 2*s.* 6*d.*, July-December, 14*l.* 5*s.* to 14*l.* 7*s.* 6*d.* per ton in bags f.o.b., less 3½ per cent.

Anise Oil (Star).—A fair business has been done in "Red Ship" brand at 3*s.* 4*d.* c.i.f. for June-July shipment, with further offers at 3*s.* 3*d.* c.i.f.; spot is 3*s.* 9*d.*

Annatto-seed.—Good bright East Indian is obtainable at 7*d.* per lb.

Benzoic Acid is in more inquiry, ex toluol selling at 6*s.* 9*d.*

Bergamot Oil is quoted at from 11*s.* to 11*s.* 6*d.* per lb. c.i.f. for 38-per-cent. esters, and on the spot 12*s.* 6*d.* to 13*s.* is asked.

Bichromates.—*Potassium* (67 to 68 per cent.) has been advanced ½*d.* per lb. to 7½*d.* *Ammonium* (78 to 79 per cent.) is 6¼*d.*; *Sodium*, anhydrous, is 1*d.* dearer at 4½*d.*; ditto, 67 to 68 per cent., is 4*d.*; and *Sodium chromate* (59 to 60 per cent.) is 3¾*d.* per lb., all less 5 per cent., and subject to usual extras for grinding and special packages; prices are without engagement and subject to agreed quantity and time of delivery.

Bromides are being held by dealers for higher prices, owing to scarcity of supplies from the United States. Business has been done in potassium at 6*s.*, ammonium at 5*s.* 9*d.*, and sodium at 5*s.* 6*d.*, but it is now difficult to deal at these prices. Some ask more than the foregoing.

Camphor.—Quiet, but steady, Japanese refined offering at 1*s.* 9*d.* spot for 2½-lb. slabs, 1*s.* 9½*d.* for 1-oz. tablets (these being scarce), and 1*s.* 9*d.* for ¼-oz. size.

The exports from Japan during March were 387,874 kin, valued at 350,841 yen. The quarter's exports (January-March) have been:

	1913	1914	1915
Kin	709,399	696,092	858,616
Yen	659,633	618,553	781,090

The destinations were as follows:

	1913 Kin	1914 Kin	1915 Kin
British India ...	255,138	154,784	322,836
Great Britain ...	104,576	156,040	90,592
France	28,352	68,033	167,983
Germany	33,264	110,098	—
U.S.A.	224,027	127,433	131,824
Australia	13,476	19,124	63,604
Other countries ...	50,566	60,600	81,777
Total	709,399	696,092	858,616

Canary-seed is rather easier on the spot, at 86*s.* to 89*s.* per quarter for ordinary to fair quality.

Caraway-seed is firm, at 36*s.* per cwt. for fair Dutch on the spot.

Castor Oil.—Guaranteed pure medicinal quality of English make for July-December, equal monthly deliveries, is quoted at 37*l.* 15*s.* per ton in barrels and 35*l.* 5*s.* for first-pressing f.o.b. Hull; cases 3*l.* per ton extra. June prices are more or less nominal at about 5*l.* per ton higher figures. The value of finest medicinal French oil is 6*d.* per lb.; Belgian is non-existent. Good seconds Calcutta is quoted 4¾*d.* per lb. in store, Liverpool.

Chalk (Precipitated) of finest, whitest, and lightest quality is quoted at 13*l.* in 5-cwt. casks, 13*l.* 10*s.* in 2-cwt. casks, and 14*l.* in 1-cwt. casks per ton net, free wharf London or c.i.f. U.K. ports, for not less than 10 cwt.

Chloral Hydrate is offered at 6*s.* 6*d.* per lb. in bond to arrive, further shipments being expected shortly.

Cinchona.—At the tender held at Amsterdam on June 10 the quinine-content of the offerings was 62,260 kilos., of which 38,268 kilos. was taken by the quinine-makers. This represented 7,294 packages or 628,627 kilos. of bark out of 12,555 packages or 1,059,319 kilos. on offer. The average percentage of quinine in the bark was 6.25, against 6.26 and an average of 6.03 per cent. for the year 1914. The average unit paid by the makers was 6.20c. per half-kilo., against 6.20c. Of the pharmaceutical bark, 1,807 packages offered, weighing 101,449 kilos., and containing the equivalent of 2,980 kilos. quinine sulphate; of this quantity, 204 bales and 354 cases, weighing 26,510 kilos., with a quinine-content of 729 kilos., sold at from 19½c. to 50c. per half-kilo. on a quiet market. At the London auction on Tuesday 551 packages East Indian offered, and about 175 sold at unchanged rates, the average unit being 1¼*d.* per lb. for manufacturing descriptions. Natural stem Crown chips sold at 5¾*d.*, renewed 4⅛*d.* to 4½*d.*, ordinary quilly chips 3½*d.*, root 4¼*d.*, and thin mossy quill 5⅛*d.*; natural stem Ledgeriana chips 4½*d.* to 4⅞*d.*, dusty chips 3½*d.*, and root 4¾*d.*

Citric Acid.—Holders ask 2*s.* 9*d.* per lb.

Cloves.—Zanzibar are quiet, fair offering on spot at 6¾*d.*; to arrive June-August shipment is quoted 6¾*d.* c.i.f. d.w. and June-August delivery 6⅝*d.*

Cocaine is rather easier, at 14*s.* 6*d.* per oz., less 5 per cent. for hydrochloride.

Coca-leaves.—At the Amsterdam auction, held on June 11, 3,330 packages, weighing 181,846 kilos. Java leaf offered, the total alkaloidal-content being 2,705 kilos.; of this quantity 510 packages, weighing 29,649 kilos., having a total alkaloidal-content of 471 kilos., were sold at from 10¼c. to 21c. per half-kilo. The average unit paid was 10.33c., against 10.15c. at the previous auction. The average percentage of the drug was 1.54 per cent., against 1.50 at the previous auction, and an average of 1.64 per cent. for the nine auctions of 1914.

Cocoa-butter is offered at the cheaper price of 1*s.* 4¾*d.* per lb. for English.

Codeine is unchanged, at 22*s.* 6*d.* per oz. for the pure alkaloid.

Cod-liver Oil.—Our Bergen correspondent writes on June 7 that the Finmarken cod-fishing continues in a very irregular manner, with frequent interruptions caused by stormy weather, which has prevailed practically all the season. The official report gives the following results of all Norwegian cod-fisheries up to June 5:

	1912	1913	1914	1915
Catch of cod (millions) ...	94.8	71.0	76.3	61.2
Yield of c.l.o. (hect.) ...	72,400	44,600	54,100	49,100
Yield of liver for raw oils (hect.)	30,700	9,300	10,300	8,000

Very little business is being done, and exports are almost *nil.* In London business has been done in old oil at 160*s.* per barrel ex wharf, and the value of finest new medicinal quality is about 180*s.*

According to cabled advices received from Aalesund the official statistics up to June 12 are as follows:

	Catch of cod	Livers for raw oils (hect.)	Yield of c.l.o. (hect.)
Finmarken, 1915 ...	12,959,000 ...	1,096 ...	8,925
do. 1914 ...	21,930,000 ...	2,859 ...	12,863
Whole country, 1915...	63,764,000 ...	8,356 ...	50,500
do. 1914...	79,817,000 ...	10,759 ...	55,718

There is still a marked deficiency in this season's fishing, and 175*s.* per barrel c.i.f. is cabled.

Copper Sulphate is firmer, at from 27*l.* to 27*l.* 5*s.* per ton for the usual Liverpool brands.

Coriander-seed is steady, at 11*s.* per cwt. for fair Morocco. At auction 76 bags Morocco were bought in at 12*s.* 6*d.* per cwt. gross for net.

Cream of Tartar.—The artificially inflated prices which are being quoted are likely to attract the attention of French holders by stimulating the shipment of further supplies to this market. Buyers are again urged to exercise caution.

Cumin-seed.—New-crop Morocco on passage is offering at 60*s.* per cwt. landed terms, and at 55*s.* c.i.f. terms for June-July steamer.

Ergot.—Good sound Russian is offered at 2*s.* 6*d.* and Spanish at 2*s.* 9*d.* per lb. on the spot.

Fennel-seed is selling at 22*s.* 6*d.* per cwt., being steady.

Fenugreek-seed is quiet, at 9*s.* to 9*s.* 6*d.* per cwt. for Morocco quality.

Formic Acid is quoted at 70*s.* per cwt. for 90-per-cent. in carboys.

Galls.—The market is practically cleared from first-hands, and dealers ask 85*s.* to 90*s.* for Persian blue on the spot, no further supplies being expected.

Glycerin.—According to the advice of a London dealer, the market recently has been much more active, and a fairly large business has been done at advancing rates for crude glycerin; distilled qualities are very firm, although so far there is no actual change in prices. Supplies, however, are evidently becoming scarce, principally due to the large demand for dynamite glycerin, and with a continuance of present conditions it is probable that higher quotations will

prevail. The official quotation for double-distilled chemically pure s.g. 1.260 in 56-lb. cases is 104*s.* per cwt., and 4*s.* less in 10-cwt. drums, in contract quantities of not less than 5 tons for consumption in U.K. only; smaller lots extra, according to scale; for export to non-barred countries prices are from 4*l.* to 5*l.* per ton less, according to quantity.

GLYCEROPHOSPHATES.—Acid (25-per-cent.) is quoted 8*s.* 6*d.*, iron powder 10*s.* 2*d.*, lime 6*s.* 3*d.*, magnesia 10*s.* 10*d.*, manganese 10*s.* 10*d.*, potassium (50-per-cent.) 4*s.* 6*d.*, (75-per-cent.) 7*s.* 3*d.*, and sodium (50-per-cent.) 3*s.* 7*d.*, (75-per-cent.) 6*s.* 10*d.* per lb. net.

GUAIACOL.—Liquid is rather scarce, and to arrive from 12*s.* to 12*s.* 6*d.* per lb. is quoted.

GUM ACACIA.—Very fair arrivals are taking place from the Sudan, and the spot value of fair sorts is about 46*s.*, while to arrive 36*s.* c.i.f. is quoted.

HEXAMINE is rather dearer at 5*s.* per lb.

HYDROQUINONE is quoted at about 13*s.* per lb.

LEAD ACETATE.—White is dearer, at 48*l.* per ton for small crystals in casks.

LEMON OIL.—Higher prices have been received from Sicily by cable, up to 4*s.* 3*d.* c.i.f. being quoted (war risk extra), which would make a laid-down cost of about 4*s.* 6*d.* on the spot; other quotations are from 3*s.* 9*d.* to 4*s.* c.i.f. and 4*s.* 3*d.* spot. The consumption is expected to be large this season, but at present there are ample stocks on the spot.

LIME-JUICE.—Business has been done in raw West Indian at 3*s.* 6*d.* per gal. for good.

LIME OIL.—Business is reported in West Indian distilled at 5*s.* 6*d.* per lb., but further lots appear unobtainable. The new West Indian crop is due in July. Hand-pressed is quoted at 7*s.* 3*d.* on spot.

LINSEED.—Good quality is dearer, at 61*s.* to 63*s.* per quarter.

MERCURIALS.—The limited quantities of foreign make which are being offered command a small premium on the English makers' nominal list-prices. Small lots of corrosive sublimate can be had at 4*s.* 5*d.*, and calomel at 4*s.* 10*d.*

MERCURY is dearer, at from 15*l.* to 15*l.* 5*s.* per bottle.

METHYLATED SPIRIT.—Prices have been advanced 2*d.* per gal. all round, and are now as follows:

	Industrial Spirit		Mineralised Spirit	
	61 O.P.	64 O.P.	61 O.P.	64 O.P.
In one Delivery.	s. d.	s. d.	s. d.	s. d.
100 gals. and under 300 ...	2 4½	2 5	2 9½	2 10
30 ,, ,, 100 ...	2 5½	2 6	2 10½	2 11
10 ,, ,, 30 ...	2 7½	2 8	3 0½	3 1

Methylated resin finish, 1*d.* per gal. extra; methylated shellac finish, 2*d.* per gal. extra.

MILK-SUGAR is tending firmer, at 72*s.* per cwt. for best powder.

MORPHINE.—The makers quote from 13*s.* 3*d.* to 13*s.* 6*d.* per oz. for the hydrochloride powder, but only deliver small quantities to regular customers at about these prices.

NUX VOMICA.—Business has been done in Bombay seed at from 17*s.* to 17*s.* 6*d.* per cwt. c.i.f. London for July-August shipment, and in Madras seed 20*s.* c.i.f. New York has been paid.

OILS, ESSENTIAL.—*Eucalyptus* is quoted at 1*s.* 3*d.* per lb. net. *Juniper berries* 8*s.* net, and *wood* 2*s.* 6*d.* net. Siberian *Pine* 1*s.* 6*d.* per lb. net. *Rosemary* B.P. 2*s.* 2*d.* net. *Sassafras*, 2*s.* 8*d.* net. *Otto of Rose*, genuine, 30*s.* to 32*s.* net per English oz.; genuine *Wintergreen*, 11*s.* 6*d.* per lb. net; all ex-wharf London.

OLIVE OIL.—Guaranteed pure genuine French Provence oil, 1915 season, is quoted at from 6*s.* 1*d.* to 6*s.* 6*d.* per gal. for "finest sublime," 5*s.* 11*d.* to 6*s.* 4*d.* for "extra surfine," 5*s.* 9*d.* to 6*s.* 2*d.* for surfine, 5*s.* 1*d.* to 5*s.* 6*d.* for druggists' quality B.P., and 4*s.* 9*d.* to 5*s.* 2*d.* for druggists' quality; the above prices are for casks of from 12 to 120 gals., on c.i.f. terms.

OPIUM.—The small spot stock of Turkey druggists' is firmly held at from 23*s.* to 23*s.* 6*d.* per lb. It is reported by cable that the collection of the Salonica crop is taking place at a "low temperature and heavy rains." Persian opium on the spot is inclined to be firmer, and a fair business is being done.

ORANGE OIL.—Sicilian is quoted at from 6*s.* 6*d.* to 6*s.* 9*d.* c.i.f.

PARAFFIN (LIQUID) is quoted at 8*s.* 6*d.* per gal. in 50-gal. casks, ex stock, for s.g. 0.865 to 0.870.

PARALDEHYDE is scarce on spot at from 10*s.* to 11*s.*

PEPPERMINT OIL.—American is quiet, with good brands of tin oil offering at 7*s.* 3*d.* to 7*s.* 6*d.*, and new crop for September-October shipment at 6*s.* 9*d.*

PETROLEUM JELLY is quoted at from 22*s.* 6*d.* to 23*s.* 6*d.* for yellow B.P. and 56*s.* to 60*s.* for white B.P., also yellowish-white B.P. at 49*s.* per cwt. in barrels; smaller packages extra.

PHENACETIN.—Prices from the U.S.A. come slightly higher, but the ample supplies which are coming forward from the Continent should check any rapid advance; from 17*s.* 6*d.* to 18*s.* is quoted.

PHENAZONE.—A consignment is now coming forward for which limited orders are being booked.

PHENOLPHTHALEIN is rather dearer at 17*s.* per lb.

POTASH BICARBONATE is quoted at 72*s.* 6*d.* per cwt. in casks, less 5 per cent. for June delivery.

POTASH CARBONATE.—Business has been done in 90 to 92 per cent. at 110*l.* and 99½ to 100 per cent. at 125*l.* per ton; 96 to 98 per cent. is unobtainable.

POTASH CAUSTIC is quite nominal on spot in the absence of supplies. America quotes 88 to 90 per cent. at 170*s.* per cwt. f.o.b. New York.

POTASH IODIDE.—The exports from Japan during March amounted to 18,851 kin, valued at 137,662 yen. During the three months ending March 21 the exports were:

	1913	1914	1915
Kin	19,776	22,223	53,169
Yen	116,027	147,552	388,057

The exports of *Crude iodine* during March were nil. This leaves the figures for the quarter (January-March) at 1,185 kin, against 8,377 kin and 4,820 kin in 1914 and 1913 respectively. [Kin=1.3 lb.; yen=2*s.*]

POTASH METASULPHITE is quoted at 105*s.* net to arrive.

POTASH PERMANGANATE.—Sales have been made at from 210*s.* to 220*s.*, and further limited quantities are obtainable on the same terms.

POTASH PRUSSIATE.—*Yellow* is dearer with sales at 1*s.* 6*d.* to 1*s.* 7*d.*, with 1*s.* 9*d.* asked. *Red* is quoted 3*s.* 6*d.* per lb.

POTASHES.—The only holder asks 75*s.* on spot for first Government brand of Montreal, being very scarce; first American is quoted 65*s.* per cwt.

PYROGALLIC ACID is quoted at 8*s.* and resublimed at 9*s.* per lb.

QUININE.—Quiet, but steady, at 1*s.* 4*d.* to 1*s.* 4¼*d.* per oz. for the usual Continental brands of sulphate in bulk. In consequence of the continued advance in cost of bottles, Howards & Sons, Ltd., find it necessary to increase the margin of prices between the bulk and the smaller packages. Thus on the present basis price for not less than 100 oz. in bulk (*i.e.*, 100-oz. tins) of 1*s.* 5½*d.* per oz., the revised rates would be as follows: 1-oz. bottles, 1*s.* 8½*d.*, ½-oz. 1*s.* 9½*d.*, ¼-oz. 1*s.* 11½*d.*, ⅛-oz. 2*s.* 3½*d.*, 1/16-oz. 3*s.* 0½*d.* per oz. The prices of the other quinine salts would be made up on the same basis.

RESORCIN.—Crystals are rather dearer, at 12*s.* 6*d.* per lb. to arrive.

SACCHARIN is quoted at 32*s.* 6*d.* per lb., ex stock, for 550 strength.

SALOL is quoted at from 15*s.* 6*d.* to 16*s.* per lb.

SANTONIN.—It is stated that the Swedish Government has prohibited the transit of goods from Russia through Sweden, and this, of course, affects the supplies of santonin, which will have to be despatched either from Archangel or Vladivostok. This will entail greater delay, especially as at the former port Russian military stores have the preference. Spot supplies are becoming very limited again, the values being fully 160*s.* to 162*s.* 6*d.* per lb.

SHELLAC is quiet and easier, the usual standard quality TN Orange offering at 58*s.* to 59*s.*, good 60*s.*, E & O pure 64*s.*, fine Orange 75*s.*, AC Garnet 59*s.* 6*d.* to 60*s.*, and GAL 58*s.* on spot.

SODA HYPOSULPHITE is dearer, at from 18*l.* to 25*l.* per ton ex-wharf for pea-crystals, according to position.

SODIUM SALICYLATE still commands 15*s.* per lb., but the larger supplies now coming forward should have the effect of modifying the values of salicylic preparations. Acid is 12*s.* 6*d.* to 13*s.* 6*d.*

SQUILL.—Fair white is obtainable at 20*s.* per cwt. on the spot.

SULPHONAL is quoted at from 18*s.* to 19*s.* per lb.

TANNIN ALBUMINATE is rather dearer, at from 9*s.* to 10*s.* per lb.

TARTAR EMETIC is quoted at 2*s.* 3*d.* per lb. net in casks for 43 to 44 per cent., ex stock.

TARTARIC ACID.—Holders ask 2*s.* to 2*s.* 0½*d.* per lb.

TERPIN HYDRATE is quoted at 2*s.* 6*d.* per lb. net, ex stock.

THEOBROMINE.—The pure alkaloid is scarce and difficult to obtain from neutral countries; 37*s.* 6*d.* per lb. is the value.

Turpentine has advanced 2*s.* 6*d.* per cwt. on the week, in sympathy with the American market, spot closing at 36*s.* 9*d.* per cwt.

Wax, Paraffin, of B.P. quality (130 to 135 m.p.) is quoted at 3½*d.* per lb., and 140 to 145 m.p. 4½*d.*, ex warehouse London.

Zinc Sulphocarb. is quoted at 2*s.* per lb. net, ex stock.

Heavy Chemicals.

Manchester, June 16.

There has been a strong demand on export account in all departments of heavy chemicals. White caustic soda is about 20*s.* per ton higher at the time of writing, but there does not appear to be any change in bicarbonate of soda, soda-crystals, or bleaching-powder. The rapid advance in the price of raw metal is beginning to exercise a perceptible influence on sulphate of copper, and on the Exchange to-day quotations were 27*l.* 17*s.* 5*d.* to 28*l.* 5*s.* per ton delivered Manchester. Permanganate of potash is again higher at 210*s.* to 220*s.* per cwt., as also bromide of potassium at 6*s.* and soda 5*s.* 6*d.* to 6*s.* per lb. Alum, glycerin, and arsenic maintain about late rates, with quiet inquiry. Bichromate of soda is about ½*d.* per lb. higher. Potash products show little change, except bichromate, which is ½*d.* per lb. higher at 7½*d.* Carbonate and caustic potash are nominal. Cream of tartar has advanced to 195*s.* to 200*s.* per cwt. Citric acid is quoted 2*s.* 8*d.* per lb. Tartaric and oxalic are unchanged. Coal-tar products generally steady. Sulphate of ammonia is 13*l.* 2*s.* 6*d.* to 13*l.* 7*s.* 6*d.* London; 13*l.* 15*s.* to 13*l.* 16*s.* 3*d.* Hull; 14*l.* 5*s.* to 14*l.* 7*s.* 6*d.* Leith (July-December delivery); and 13*l.* 10*s.* to 13*l.* 12*s.* 6*d.* per ton on rails Manchester. Carbolic acid unchanged at late rates. Benzols remain nominal.

Continental Drug and Chemical Markets.

The following notes chiefly refer to the Hamburg and Berlin markets under date of May 21, 22, and 24:

Acetic Acid.—Makers have been obliged to advance the price of 99 to 100 per cent. by about m.10 per 100 kilos.

Agar-agar.—A sudden increase in demand was the cause of a considerable advance in prices, which are from m.630 to m.650 per 100 kilos, as to quality.

Balsams.—*Peru* is firm, but quiet, at m.30 per kilo. *Tolu* has been sold in small quantities at m.6.50.

Benzoic Acid, ex toluol, is quoted at from m.475 to m.500 per 100 kilos.

Camphor is firm at from m.7.25 to m.7.50 per kilo. in tablets.

Citric Acid has advanced considerably—viz., from m.6 to m.7.50 per kilo. A further advance is expected; the entry of Italy into the war is the cause.

Collodium has advanced by m.10 per 100 kilos, owing to the higher cost of ether.

Menthol is quoted at m.36 per kilo. Demand has been good.

Naphthaline is offered from second-hands at from m.24 to m.25 per 100 kilos.

Oils (Essential).—*Star-anise* is quiet at from m.15.50 to m.15.75 per kilo. *Cassia* is unchanged at from m.8.75 to m.9.50 per kilo., according to c.a. content. *Eucalyptus* is obtainable at m.4.50 per kilo. American *Peppermint* (Leuders) is offered at from m.26 to m.27. Siberian *Pine-needle* is m.3.40 per kilo. *Safrol* is offered in small quantities at m.2.80 per kilo. *Cedar-wood* is quoted at m.2.60. Ceylon *Lemongrass* is quoted at m.5.75. Japanese *Mint* oil is quoted m.12.50 per kilo.

Oils (Fixed) and Fats.—*Castor* is offered from second-hands at m.280 for first-pressing and m.260 for second-pressing. Refined *Cottonseed* is scarce; German is quoted at m.170, English at m.150, and American at m.158. *Cod-liver* is firmer; after the cheapest lots had been sold it was offered at m.135 per 100 kilos. Prices of *Coconut* are higher in consequence of increased demand at m.180 for Ceylon and m.190 for Cochin. *Earthnut* is firm at m.160. *Fatty acids of linseed oil* are offered at from m.119 to m.120 in large quantities. *Maize* oil is wanting. *Olive* is much firmer at m.175. Lagos *Palm* is scarce at m.150 to m.155. *Palm-kernel* is very scarce at m.180. *Rape-seed* is dearer at m.160 at present. *Sesame* is firm at m.185. *Soy* is very firm at from m.165 to m.170. *Tallow* for soap-manufacturing is quiet at m.190; food-tallow is firm and in active demand at from m.200 to m.210. *Whale* is quiet; the demand has fallen off; No. 0 is quoted m.130 and No. 1 at m.122. *Wood* it quiet at m.115. *Linseed* is higher in consequence of the advance in Holland and of the increased demand. Dutch is sold at from m.124 to m.125 per 100 kilos., free Hamburg, and at m.126 for June delivery.

Thymol is quoted at m.50 per kilo.

Vanillin.—Stocks that have been bought for speculation have now gone into consumers' hands, so that the Convention rates have to be paid.

Correspondence

Memoranda for Correspondents.

Communications should be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with.

Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest.

Correspondents are requested to write each query on a separate piece of paper. Every endeavour is made to reply to queries without delay, but insertion of the replies in "the next issue" cannot be guaranteed, nor, as a rule, can they be sent by post.

Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed, even when the writers use a "nom de plume."

Complete and systematic indexes of the "C. & D." are presented with the last issues in June and December each year. Every subject dealt with week by week is included, and correspondents are advised to refer to these and the "C. & D. Diary" before asking the Editor for information, so as to save time.

Lessons of the War.

Sir,—*Re* your article "Lessons of the War" in the June 12 issue of the *C. & D.*, and your final exhortation to the drug-trade "to change from the easy-going methods of the past," I contend that the druggists are not to blame so much as the public, who demand the cheapest article they can get, and expect to be supplied with it, or they leave you for another shop. This public is largely composed in my case of the workers. Our trade is comparatively unimportant in this matter, like trades who turn over a larger amount of money. The fact is that foreigners, both Germans and others, have their eyes on the immense wages paid to the workers in this country, and their methods are devised to tap this financial spring at its source and turn the shopkeeper into an automatic machine. Shopkeepers are helpless; the public, including doctors, demand the goods of a certain kind and price, and they are not satisfied unless they get them of that kind and price. It requires the intervention of the Government and British manufacturers. I remain, yours truly,

Patriot. (E19/145.)

Mr. Walter J. Crook, 10 Eastcheap, London, E.C., informs us that the United Alkali Co., Ltd. (for whom he is selling-agent), are "very large producers of sodium hyposulphite, and have not only been in the habit of supplying the bulk of what has been consumed in this country, but are now filling the requirements of the Government." [Without questioning this statement, we may recall the fact reported in the *C. & D.*, May 22, p. 98, that the declared imports of sodium hyposulphite from the United States since the war commenced amounted to "6,675 cwt., besides 65*l.* worth more," and since then we have reported the arrival of 3,906 barrels and kegs more. It is understood that these figures do not include all the imports of sodium hyposulphite, and the fact that our Government recently "commandeered" supplies of this chemical is not controverted. In view of Mr. Crook's statement as to internal production and these import figures, we wonder why?—Editor *C. & D.*]

A Real Danger.

Sir,—There is every indication that the study of German is unpopular, and no wonder! The London Chamber of Commerce (I believe) has found the falling-off so tremendous that the number of students taking up the language barely reaches a dozen. What a field we are preparing for German clerks to come among us in greater numbers than ever by the neglect of that now despised tool—his language! No fear of the Germans neglecting English! Of course, it may be said that they have no reason for doing so, as the United States is not yet at war with them; but statements recently made that the Germans are preparing for the commercial war that is coming make it likely that this preparation includes the teaching and learning of English more than ever. Let us make no mistake about this. Nothing can give a nation a clearer insight into the doings and intentions of another than the Press of the latter; and the more Englishmen there are who can read and understand German, the better placed shall we be to make the necessary counter-moves if we mean to win in the combat that is coming. It will matter little that we

organise our chemical work; we shall be beaten if our commercial departments are neglected. And what more important than the language of our rivals? The repugnance to the language of our enemy is perfectly natural, though, carried to its logical conclusion, two nations at war, with a common language, should become dumb. Far from encouraging this repugnance, the opposite feeling should be fostered, in order to overcome such dislike in the pressing necessity for its study. Prizes should be given by patriotic Englishmen to encourage this in our young people, and so prepare a generation of defenders, who will require every commercial weapon that can be provided for them. I am well aware that such a suggestion must be unpopular at the present time, but the danger we are running by neglect is so great that love of England makes silence impossible. Yours, etc.,

June 14. F. J. R. CARULLA.

[At the beginning of the war it was impressed upon the younger generation in Germany that English and Russian should be learnt by all engaged in or going into business, as these languages would be of even greater importance after the war, when Germany would be supplying Great Britain and Russia with all they wanted. The advice was eagerly and generally acted upon.—EDITOR *C. & D.*]

Exports during War.

SIR,—The War Trade Department in Whitehall is one of the standing subjects for bitter comment among business men, and were it not so tragic the whole affair would be treated as one huge practical joke. Bad as the Board of Trade methods were, they are not in it with the new Department for the indifference and incompetence of the staff. The delays extend to other matters than permits. Business that could be put through in an afternoon by getting a move on is held up for a fortnight, and meantime a factory may be standing idle. One morning a shipper gets a letter that a certain permit will be cancelled if it is not used, when, in fact, the whole thing had gone through and the goods shipped ten days before. Again, he will receive in the same envelope one letter saying his permit will not be granted, and another saying that it will! Can anyone imagine a business house permitting such a ridiculous thing to occur? Personal calls at the Department bring no result save disappointment and disgust, for the caller usually sees a staff whose main employment seems to be smoking cigarettes, and whose only formula is, "Write in about it." Why do we not learn our lesson better, and why is such unthinkable mismanagement allowed to go on? Yours faithfully,

EXPORTER. (E117/71.)

Beta-Naphthol in Disinfectants.

SIR,—On folio 775 of your last week's issue, in the report of the meeting of the Society of Public Analysts there is an abstract of a paper by Mr. Bodmer on beta-naphtnol in disinfectants. In the report it states that Mr. Bodmer found that "Richmond's solution of a diazotised benzidine for detecting beta-naphthol in milk serves the same purpose for lysol and similar cresylic-acid preparations." I would ask you to state that the paper in which the solution is described is by Mr. E. Holl Miller and myself. It was due to a suggestion of Mr. Miller that tetrazonium salts condensed easily with beta-naphthol in neutral solution to form a fine red colouring-matter, while other phenolic compounds condensed with difficulty, that we worked out the method, depending on the use of benzidine for the detection of beta-naphthol, and I am anxious that Mr. Miller's name should have at least equal prominence with my own. Yours faithfully,

Nottingham, June 14. H. DROOP RICHMOND.

Earlier Closing in Dublin.

SIR,—It is incredible that a few will try to spoil a movement which is beneficial to the craft, including themselves. Can they not reflect and consider the saving effected, and the fact that when all are closed none can lose a sale? The after-hours requests, which are generally urgent, are, after all, extremely few—in fact, they are comparatively rare. Late purchases at present are made simply because the chemist is known to be open, so that if 10 P.M., or even an earlier hour, were universally adopted and rigorously adhered to, the public would very soon get into the habit of shopping earlier. However, it is sometimes difficult to reason with men of the type referred to in "Honour's" letter, and in this event I offer a few suggestions as to how to deal with them. It is customary for chemists in a district, when short of goods, to oblige each other. Such conveniences should be absolutely withheld from those who will not fall in with the provisions of the local Association which have been passed by the majority. Another plan would be to find out, say, by inspection of windows, which manufacturers supply the cranks with special lines, such as tablets, packed goods, etc., and then let the others boycott these firms *in toto*. I venture to say that the firms would prefer the accounts of the many to the few. Again, some of the cranks may themselves do a little wholesale trade as well as retail, especially in their own proprietaries. If such articles have to be got, let them be procured through one of the large wholesale firms, and the crank will lose at least 10 per cent., the profit which he must allow the middleman. Finally, I would suggest that the loyalists should not employ in the future any apprentice or assistant who has been with one of the cranks after a certain date. I am certain that these young people, for the sake of their future, would take care to see that the house which they are in is in order. Yours truly,

Dublin, June 14. HONOUR No. 2 (131/71.)

Dental Matters.

Mr. Benson Harries, Hon. General Secretary of the Chemists' Dental Society, 84 Commercial Road, Newport, Mon., writes to say that he has been informed officially that the decision of the General Medical Council regarding the suggested modification in the conditions of the Medical Preliminary examination (see *C. & D.*, June 5, p. 46) applies equally to the Preliminary examinations required for the dental course. Mr. Harries also calls attention to the approval by the General Medical Council of the draft Bill prepared by the British Dental Association. The scheme of the Bill is briefly as follows: It increases greatly in stringency the penalties on persons acting as dentists when not registered, but provides for annual certificates of exemption which will enable "unregistered" persons to practise. It is proposed to grant such certificates to two classes: (*a*) Persons who by statutory declaration show that they have been *bona fide* engaged in dentistry for not less than fifteen years before the passing of the new Act, and are not less than thirty-five years of age; and (*b*) persons who have been *bona fide* engaged in dentistry not combined with any other occupation or calling for not less than five years, and are at least twenty-five years of age and have passed an examination to be instituted for the purpose of testing their knowledge in dentistry. Persons holding exemption certificates are to use the title "Dental Practitioner," and may recover fees and charges, but otherwise are not entitled to the rights or privileges of registered dentists. Mr. Harries urged the importance of dental chemists combining to protect their rights, and adds that the Chemists' Dental Society offers the best possible means for them to do so. A special dispensation in view of existing circumstances has been agreed to—viz., half-subscription (10*s.* 6*d.*, including insurance against accidents) for the remaining six months of this year commencing July 1. Mr. Harries also refers to the proposed dental classes of the London County Council, the conditions of which are at present being elaborated.

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Belladonna Specimens Offered.

Mr. W. Spencer Turner, Ph.C., Willingham, Cambs, informs us that he can give a nice little specimen of belladonna leaves and flowers to all who care to apply for same, sending a suitable box and stamped addressed label. A flat cardboard box about 1 ft. square is best for the purpose. "Last year," writes Mr. Turner, "I had all sorts of boxes—one man sending a hat-box and another a match-box."

Economy in the Pharmacy.

"The present time, when profits on many commodities are dwindling, offers a good opportunity to make the penny-packet trade pay better. The majority of people do not desire more than an ounce of salts or sulphur for a penny. Chemists who give twice or thrice as much are often merely wasting goods, as customers, after keeping the excess carelessly wrapped for a while, usually throw it away. The penny seidlitz, also, is worth at least a halfpenny more at the present prices of the ingredients. Why should chemists force themselves to bear all the increased wholesale rates without passing something on to the consumer? Pills and boxes are dearer, too. Why not raise the retail prices of all stock pills by a penny or so per dozen? Every other calling has increased prices in force; some trades, in fact, have only a shadow of excuse compared with the pharmacist's burden."—*Auld Reekie.*

German-Americans in Continental Pharmacies.

"In fashionable health-resorts in Italy, France, the Riviera, Switzerland, Germany, and Austria German-

American assistant pharmacists are to be found, usually in a German pharmacy carrying on business under the title of the Anglo-American Pharmacy or some such designation likely to attract Anglo-Saxon travellers. They hold generally an American, sometimes a German qualification, but sometimes none at all. The proprietor of the pharmacy is either a native of the country or a keen business-man with a reputation for smartness. The pharmacies usually occupy central positions near the hotels; the fittings, bottles, stock-in-trade, etc., are all German. The windows are crammed with American and British specialities, and prices are keen, especially where there is British opposition. For all foreign specialities they have at hand the Vaterland's cheaper specialities to foist upon trusting clients. The hours in these pharmacies are too long and the work too hard (being usually understaffed) to attract British pharmacists, although those who have had experience in them have been the better for it. Many languages are spoken in them, particularly German, which is seldom required in British pharmacies on the Continent. The lot of the German-American engaged in any of the countries of the Allies is at present far from a happy one. He is, on the whole, a good fellow with but one desire and aspiration—viz., a place in a London West-end pharmacy."—*Anglo-Saxon* (E5/15).

Legal Queries.

The majority of difficulties in regard to trade law are explained in the legal section of "The Chemist and Druggist Diary," 1915, beginning on page 405.

Rob (132/60).—If you are not a licensed retailer of mineralised methylated spirit you can use it without special permission in making a preparation for outward application, and may sell the same without a licence.

Salford (130/12).—Rectified spirits used for making perfumes will have to pay the additional duty of 1*s.* 6*d.* per proof gal. See the article on the subject in the *C. & D.*, May 29, p. 48, bottom of the second column; also June 5, p. 49, where again it is stated that "perfumes, toilet-articles, flavouring-essences, and flavouring-spirits are not amenable to rebate."

Miscellaneous Inquiries.

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas of them. When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

We do not as a rule repeat information which has been given in this section during the past twelve months, but give the reference to the issues in which the information may be found. If querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published price, usually 6d.

W. H. (111/61).—Transparent Hair-restorer.—It is explained in the later editions of "Pharmaceutical Formulas" that the lead-acetate and sodium-hyposulphite restorer should be bottled as soon as it is made, a drop of ether being put on the surface of the liquid in each bottle a few seconds before the cork is put in. Blue or amber coloured bottles should be used. The lead sulphide which is in the solution is very prone to precipitation in the bottles, especially when these are exposed to air and sunlight, and it is advisable, therefore, to bottle as directed, also to serve it as recently as possible.

Rad. Gent. (130/28).—A qualified manager, acting in the temporary absence of the principal, receives about three guineas a week outdoors, but the payment varies with the locality.

Leyton (129/28).—The examination for Compounders in the Royal Army Medical Corps is written and practical, the subjects being compounding of medicines, posology, stockkeeping, and the recognition of substances used medicinally or in connection with the work of the Corps. You will find information in regard to it in the Civil Service Year-book, published at 1*s.* 6*d.* See also the R.A.M.C. handbooks.

R. B. H. (125/59).—Mail-order Business.—Cody's "How to do Business by Letter and Advertising" (Constable, 5*s.*). See also articles in *C. & D.*, January 27, 1912, p. 165, and December 6, 1913, p. 856.

P. J. R. (128/58).—Tonic Mixture.—A trace of nux vomica and sal volatile and a flavour of Jargonelle pear are the only characteristics of the tonic mixture which we can detect.

Pharmacist Junior (132/11).—You are apparently unfamiliar with the provisions of the Shops Acts (*C. & D. Diary*, pp. 422-4) and with the fact that all Parliamentary inquiries have had one result in common—viz., that public facilities for obtaining medicines at all times must not be interfered with. Your remarks on this point and on patent medicines scarcely justify your conclusion that "under present conditions we may as well abolish all examinations in connection with the trade, and pay a licence to practise pharmacy."

J. O. E. (117/72).—Cheap Shampoo-liquid.—The following, from "Pharmaceutical Formulas," is suitable for saloon use:

Primrose soap	℥j.
Powdered borax	ʒss.
Solution of potash	ʒiij.
Solution of ammonia	ʒj.
Oil of Turkish geranium	♏xx.
Oil of lavender	♏x.
Tincture of saffron	ʒij.
Rectified spirit	ʒiij.
Distilled water to	Oj.

Shred the soap fine and just cover it with water. Allow to stand all night, and next morning rub it smooth in a mortar, add more water, the borax, and solutions; dissolve and strain. Then add the oils dissolved in the spirit, the tincture, and finally water to 1 pint. Solution of egg-yellow may be used in place of saffron.

J. B. (126/35).—Bleaching Feathers.—Two methods are employed: (1) Exposure to the fumes of burning sulphur in a moist atmosphere, the grease having been removed previously from the feathers by washing in benzene; (2) alternate baths of acid solution of potassium permanganate and sulphurous acid.

Maiross (122/40).—Books on Fertilisers.—See *C. & D.*, March 21, 1914, p. 67; also article on "Chemical Fertilisers" in *C. & D. Diary*, 1911, p. 222.

J. M. B. (120/54).—Black Aniline Dyes.—The following are insoluble in water: Alizarine black, spirit-soluble nigrosine, and nigraniline. We suggest that you try spirit-soluble nigrosine for colouring the castor oil, because if the dye is not soluble in the oil, a little spirit could be used as a solvent.

Omega (119/36).—We do not understand your inquiry, as the clear variety of ginger-beer is a different article from "stone" or cloudy ginger-beer.

Beacon (128/3).—The essential oils in flavouring-essences would probably suffice to mask the characteristic odour of acetone, but the taste of the solvent would effectually prevent its use for the purpose, unless perhaps in the case of peppermint. The quantity of acetone that can be taken internally is small.

Irish (128/16).—Optical and Dental Qualifications.—Refer to *C. & D.* Educational Number (August 15, 1914), pp. 64 and 68.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," June 15, 1865.

Reviews.

The following are the titles of the books which were reviewed in this issue:

A Compendium of Domestic Medicine, etc. By John Savory. London: John Churchill & Sons. Seventh Edition. Price 5*s.*

Nitrogen Shown to be Carbonic Oxide in an Allotropic State. By Henry Kilgour. London: John Churchill & Sons. Price 2*s.* 6*d.* 30 pp.

A Suggestion as to Feeding Milch Cows, with a View to an Improvement in the Constituents of the Milk. By "Humanitas." Reprinted from the Veterinarian.

A Manual of Diet and Regimen for Physician and Patient. By Horace Dobell, M.D., etc. Third Edition. London: John Churchill & Sons. Price 1*s.* 6*d.*

A Dictionary of Chemistry. By Henry Watts, B.A., F.C.S., etc. London: Longman & Co., 1865. Parts XXIV. and XXV., completing Vol. III., and Parts XXVI. and XXVII.

The Inhalation of Gases and Medicated Vapours in the Treatment of Consumption and other Pulmonary Diseases; with a Paper on Whooping Cough. By W. Abbotts Smith, M.D., etc. London: Robert Hardwicke. Price 1*s.*

The Book of Prescriptions; containing more than 3,000 Prescriptions, collected from the practice of the most eminent Physicians and Surgeons, English and Foreign, etc. By Henry Beasley. Third Edition. London: John Churchill & Sons.

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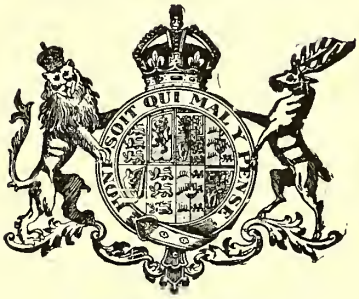

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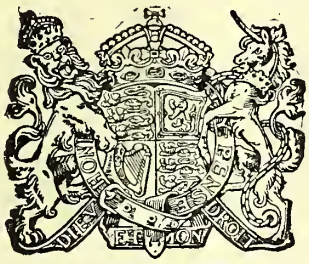

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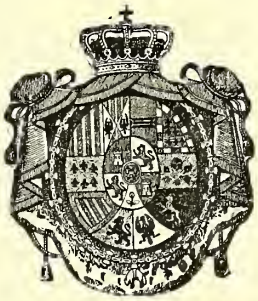

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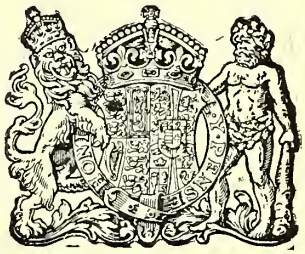

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The New Remedy in Amœbic Disease.—Vide *British Medical Journal*, Aug. 24, 1912, pp. 405–408.

Emetine for Hæmoptysis Vide *Press Médicale, Paris*, September 24.—"The result is surprising, hæmorrhage from the lung ceasing at once."—Prof. C. Flandin.

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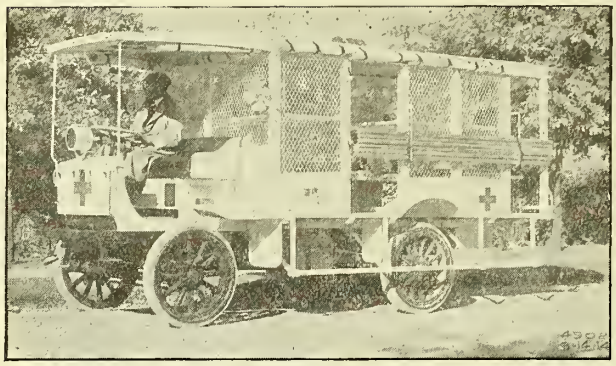

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Tetanus Antitoxin, for the treatment and prevention of Tetanus (Lockjaw).

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20/-	**37/6**	**66/6**	**125/-**	per doz. net
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25/-	**45/-**	**100/-**	**187/-**	per doz. net
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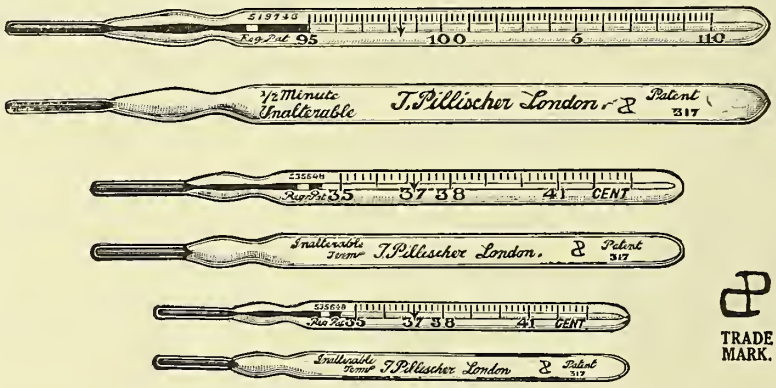

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N.B.—We would draw attention to the fact that all prices quoted herein are subject to alteration without notice, and that where stocks are limited preference is always given to our regular customers.

Acet. Ipecac., B.P., 7 lbs. @ /2 lb.
,, Scillæ, P.B., 7 lbs. @ 5/ lb.
,, Acetylo-Salicyl. 1 lb. @ 30/- lb.
,, Boric Pulv., 3 cwt. @ 40/- cwt.; 1 cwt. @ 43/- cwt.; levigd. 3/- cwt. or ½d. lb. extra.
,, Salicyl. pulv. 1 lb. @ 12/- lb.
,, Tart., cryst. or pulv. B.P., 1885, 7 lbs. @ 2/1½ lb.; parv. ½d. lb. extra.
Adeps Benz., B.P., 28 lbs. @ 9d. lb.; 7 lbs. @ 10d. lb.
Ammon. Brom. P.B., 7 lbs. @ 5/6 lb.
Antim. Nig. Pulv., 1 cwt. @ 84/- cwt.; 14 lbs. @ 89/- cwt.
Bals. Copaibæ, pure, 44 lbs. @ 1/10 lb.; 9 lbs. @ 2/1 lb.; 1 lb. @ 2/5.
,, Tolut. B.P., 50 lbs. @ 2/7 lb.; 1 lb. @ 3/1 lb.
Bismuth, P.B., Carb., 7 lbs. @ 11/10 lb.; 3 lbs. @ 12/2 lb.; 1 lb. @ 12/6 lb.; subnit. 1/- lb. less.
Caffeine, P.B., 1 lb. @ 20/- lb.
Camphor, English Flowers, "not artificial," 5 lbs. @ 2/4 lb.: ½ oz. or ¼ oz. 7 lbs. @ 2/6 lb.; Crude, good white, about 92% as imported, 140 lbs. @ 1/9½ lb.; 28 lbs. @ 1/10½ lb.
*Chloroform, pure, B.P., 12 8-lbs. @ 1/11 lb.; 8 lbs. @ 2/- lb.; 6 1-lb. bots. @ 2/2 lb.
Cocaine Hydrochlor., B.P., 4 ozs. @ 16/6 oz.; 1 oz. @ 17/- oz.
Codeina, 1 oz. @ 25/6 oz.; Phosph., 1 oz. @ 21/- oz.; Hydrochlor. or Sulph., 1 oz. @ 22/- oz.
Colocynth, Apple, English ground, 1 cwt. @ 1/3 lb.; 28 lbs. @ 1/4 lb.; 7 lbs. @ 1/6 lb.
Emp. Picis, P.B., 7 lbs. @ 8½d. lb.
,, Plumbi, P.B., 7 lbs. @ 8½d. lb.
,, Resinæ, P.B., 7 lbs. @ 8½d. lb.
,, Roborans, 7 lbs. @ 8½d. lb.
Ess. Limonis (oil) original coppers, 12 lbs. @ 4/6 lb.; 6 1-lb. bots. @ 5/- lb.; not guaranteed absolutely pure.
*Ext. Ipecac. Liq., P.B., 5 lbs. @ 21/6 lb.; 1 lb. @ 22/6 lb.
Ext. Opii Solid, P.B., 1 lb. @ 58/- lb.
Ferri Ammon. Cit., P.B., 28 lbs. @ 2/11 lb.; 7 lbs. @ 3/0½ lb.
Ferri et Quininæ Cit., P.B., 100 ozs. @ 7½d. oz.; 25 ozs. @ 7¾d. oz.
Formaldehyde, 40%, 4 cwt. barrels @ 69/- cwt.; 132 lb. carboys @ 72/6 cwt.; 7 lbs @ 10½d. lb.
Gallæ Cærul. Pulv., 7 lbs. @ 1/- lb.
Glycerin Opt. D.D., 1,260 P.B., 1 cwt. @ 106/- cwt.; 56 lbs. @ 108/- cwt.; 12 lbs. @ 1/2 lb.
Gum Acaciæ, sorts, 3 cwt. @ 45/- cwt.; 1 cwt. @ 49/- cwt.; 7 lbs. @ 7½d. lb.; English Ground Powder, No. 1, 1 cwt. @ 110/-; 7 lbs. @ 1/2½d. lb.; No. 2, 1 cwt. @ 85/-; 7 lbs. @ 10½d. lb.
*Heading (Frothing Ess.), 5 lbs. @ 1/1 lb.
Hexamethylenetetramine, 7 lbs. @ 5/9 lb.; 1 lb. @ 6/- lb.
Honey, Pale Set, Jamaica, 3½ cwt. @ 40/- cwt.; 28 lbs. @ 50/- cwt.; Californian, ½ cwt. @ 52/6 cwt.; 7 lbs. @ 7½d. lb.
Ichthyol Ammon. chemical equivalent: Ammon. Ichthosulphonas, B.P. Codex, 7 lbs. @ 7/- lb.; 1 lb. @ 7/6 lb.
*Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/6 lb.
* ,, Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/5 lb.
* ,, Buchu Conc., 1 to 7, 6 lbs. @ 2/4 lb.
* ,, Calumbæ Conc., 1 to 7, 6 lbs. @ 1/- lb.
* ,, Caryopb. Conc., 1 to 7, 6 lbs @ 1/1 lb.
* ,, Cascarilla Conc., 1 to 7, 6 lbs. @ 1/5 lb.
* ,, Cinchonæ Acid, 1 to 7, 6 lbs. @ 1/8 lb.
* ,, Gentianæ Co., 1 to 7, 6 lbs. @ 1/2 lb.
* ,, Quassiæ Conc., 1 to 7, 6 lbs. @ 10d. lb.
* ,, Rhei Conc., 1 to 7, 6 lbs. @ 1/7 lb.
* ,, Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 2/5 lb.
* ,, Senegæ Conc., 1 to 7, 6 lbs. @ 2/2 lb.
* ,, Valerian Conc., 1 to 7, 6 lbs. @ 1/5 lb.

Iodoform Pulv. B.P., 7 lbs. @ 18/6 lb.; 1 lb. @ 19/-
Iodum Resub. B.P., 7 lbs. @ 16/6 lb.; 1 lb. @ 17/- lb.

Kamala, 7 lbs. @ 1/8 lb.; sifted, 3d. per lb. extra.

*Lin. Aconiti Meth., 5 lbs. @ 1/5 lb.; 1 lb. @ 1/8 lb.
* ,, Bellad. Meth., 5 lbs. @ 3 8 lb.; 1 lb. @ 3/11 lb.
,, Camph. P.B., 40 lbs. @ 1/- lb; 9 lbs. @ [1/1 lb.
*Liq. Ammonii Acetatis Conc. 1-7 6 lbs. @ 9d. lb.; 1 lb. @ 1/- lb
* ,, Ammon. Aromat., 6 lbs. @ 10d. lb.
* ,, Arsenicalis, B.P., 7 lbs. @ 4d. lb.; 1 lb. @ 7 l
* ,, Arsenii Hydrochlor., P.B., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
* ,, Bismuth, P.B, 6 lbs. @ 1/5 lb.
* ,, Easton., p.s. 1-3, B.P., 1 lb. @ 3/1 lb.
* ,, Ferri Dialysatus, 6 lbs. @ 7d. lb.
* ,, Ferri Iod. p.s., 1-7, 1 lb. @ 7/10 lb.
* ,, Ferri Perchlor. Fort., P.B., 7 lbs. @ 4½d. lb.
* ,, Ferri Phosph. Co. p.s., 1-7, 7 lbs. @ 1/6 lb.
* ,, Hamamelidis, B.P., 6 lbs. @ 1/1 lb.
* ,, Plumbi Subacet., P.B., 7 lbs. @ 4d. lb.

Mag. Calc. Levis, 56 lbs. @ 8d. lb.; 5 lbs. @ 10d. lb.; 1 lb. @ 1/- lb.
Morphinæ Acet. Hydrochlor. or Sulph., Pulv. B.P., 25 oz. @ 14/- oz.; 16 oz. @ 14/3 oz.; 8 oz. @ 14/6 oz.; 1 oz. @ 15/3 oz.; Pur. Præcip. Bimeconate or Tart., 1 oz. @ 18/3 oz.
Morphinæ Diacetyl., 4 oz. 24/- oz.; 1 oz. @ 24/6 oz.; Hydrochlor., 6d. per oz. less.
Myrrh, Gum, English Ground, 28 lbs. @ 1/1 lb.; 7 lbs. @ 1/3 lb.

In consequence of the unsettled state of the price of Alcohol we are unable to definitely fix our rates for lines containing Spirit. We will do so as soon as we possibly can.

Naphthalene Candles or Balls, 56 lbs. @ 32/6 cwt.; 28 lbs. @ 34/6 cwt.

Ol. Amygdal. Ang., B.P., 9 lbs. @ 2/11½ lb.
Ol. Anisi, E.I., 66 lbs. @ 4/1 lb.; 16⅔ lbs. @ 4/6 lb.; 4½ lbs. @ 5/- lb.; 1 lb. @ 5/6 lb.
Ol. Cajuput., B.P., 21½ oz. bots. @ 3/6 lb.
Ol. Caryoph. Ang., B.P., 9 lbs. @ 5/1 lb.; 4½ lbs. @ 5/3 lb.
Ol. Cassiæ, 16 lbs. @ 3/6 lb.; 6 lbs. @ 3/11 lb.
Ol. Cinnam., 1 lb. @ 32/- lb.; 1 oz. @ 2/3 oz.
Ol. Coco. Nucis, finest White, 80 lbs. @ 69/- cwt.; 40 lbs. @ 70/- cwt.
Ol. Eucalypt., B.P., 1 cwt. @ 1/4½ lb.; 28 lbs. @ 1/5½ lb.; 9 lbs. @ 1/7 lb.
Ol. Juniperi Bacc., B.P., 1 lb. @ 9/6 lb.; Ligne Exot., 1 cwt. @ 1/8½ lb.; 28 lbs. @ 1/9½ lb; 9 lbs. @ 1/10½ lb.
Ol. Lavand. ab Flor., 5 lbs. @ 12/- lb.; 1 lb. @ 12/6 lb.
Ol. Menth. Pip. English, 5 lbs. @ 35/6 lb.; 1 lb. at 36/6 lb.; Hotchkiss original bots., 21 oz. each @ 14/6 lb.; American, 20 lbs. @ 8/3 lb.; 4½ lbs. @ 8/11 lb.; 1 lb. @ 9/6 lb.; Japanese, 60 lbs. @ 3/6 lb.; 5 lbs. @ 4/- lb.
Ol. Morrbuæ, 1915, finest non-freezing, 25 gall. tin-lined barrels @ 180/- per barrel; 2-gall. tins @ 8/- per gall.
Ol. Olivæ, P.B., good yellow, guaranteed pure, 45 gall. barrels @ 5/2 gall.; 2 gall. tins @ 6/6 gall.
Ol. Origani Rub., Coml., 28 lbs. @ 1/10 lb.; 9 lbs. @ 2/- lb.
Ol. Peach Kernel (so-called), 1 cwt. @ 1/3 lb.; 56 lbs. @ 1/5 lb.; 9 lbs. @ 1/6 lb.
Ol. Pulegii B.P., 5 lbs. @ 6/6 lb.; 1 lb. @ 6/10 lb.
Ol. Ricini Alb. Opt. Medicinal, 44 lbs. @ 62/6 cwt.; 9 lbs. @ 8½d. lb.; for export, 1 cwt. drums recommended, 9/6 each extra.
Ol. Rosmarini, Coml., 28 lbs. @ 1/6 lb.; 9 lbs. @ 1/7 lb.; B.P., 9 lbs. @ 2/5 lb.; 1 lb. @ 2/9 lb.
Ol Santal. Flav. Ang. B.P., 5 lbs. @ 26/6 lb.; 1 lb. @ 27/6 lb.
Ol. Sassafras, genuine, 28 lbs. @ 3/8 lb.; 1 lb. @ 4/- lb.
Opium Turc. B.P., 14 lbs. @ 25/6 lb.; 3 lbs. @ 26/- lb.; 1 lb. @ 27/- lb.; powder, 6d. lb. extra.
Oxymel Scillæ, B.P., 5 cwt. @ 36/- cwt.; 1 cwt. @ 40/6 cwt.; *7 lbs. @ 7½d. lb.

Papain, 1-80, 1 oz. @ 2/7 oz.
Pepsin, B.P., 1 lb. @ 12/- lb.
Potas. Acetas. Gran. P.B., 28 lbs. @ 1/9 lb.; 7 lbs. @ 1/10 lb.
Potas. Bicarb. Pulv., 7 lbs. @ 10d. lb.
Potass. Brom. P.B., 7 lbs. @ 6/- lb.
Potass. Cit. B.P., 7 lbs. @ 3/4 lb.
Potass. Iod., P.B., 14 lbs. @ 13/6 lb.; 3 lbs. @ 14/- lb.
Potass. Permang., Cryst., 7 lbs. @ 2/1 lb.

Quininæ Sulph., B.P., 100 oz. @ 1/4½ oz.; 25 oz @ 1/6 oz.; 10 oz. @ 1/6½ oz.

Saccharine, 7 lbs. @ 36/6 lb.; 550 or .500 1 lb. @ 37/6 lb.; .330 7 lbs. @ 34/- lb.; 1 lb. @ 35/6.
Saffron Valentia, B.P., 7 lbs. @ 48/- lb.; 1 lb. @ 50/- lb.; 1 oz. @ 3/6 oz.
Salicinum, B.P., 1 lb. @ 16/10 lb.
Soda Cit., B.P., 3 lbs. @ 3/4 lb.
Sodii Bromid., P.B., 7 lbs. @ 5/8 lb.
Sodii Salicyl. Pulv., 4 lbs. @ 15/6 lb.
Strychnina Cryst. B.P., 4 ozs. @ 2/8 oz.; Hydroch. and Sulphate, 2d. oz. less.
*Syr. Aurant. P.B., 7 lbs. @ 11d. lb.
* ,, Easton, B.P., 7 lbs. @ 1/2½ lb.
* ,, Ferri Iodid. P.B., 7 lbs. @ 1/5½ lb.
* ,, Ferri Phosph. Co., 7 lbs. @ 7d. lb.
* ,, Hypophosph. Co., B.P.C., 7 lbs. @ 11d. lb.
* ,, Pruni Virg., B.P., 8 lbs. @ 9d. lb.
* ,, Rhamni, 7 lbs. @ 11½d. lb.
* ,, Rhei, P.B. 7 lbs. @ 9½d. lb.
* ,, Scillæ, P.B., 7 lbs. @ 6½d. lb.
* ,, Sennæ, P.B., 7 lbs. @ 10d. lb.
* ,, Tolut., P.B., 7 lbs. @ 9d. lb.

Ung. Acid. Boric, P.B., 28 lbs. @ 7¾d. lb.
Flav. 28 lbs. @ 5½d. lb.
,, Acid. Carbol., B.P., 28 lbs. @ 1/- lb.; 7 lbs. @ 1/1 lb.; 1 lb. @ 1/4 lb.
,, Gallæ, P.B., 7 lbs. @ 1/- lb.; 1 lb. @ 1/2 lb.; c. Opio, 7 lbs. @ 2/10 lb.
,, Hydrargyri, B.P., 28 lbs. @ 2/3 lb.; 7 lbs. @ 2/5 lb.
,, Hydrarg. Ammon., B.P., 28 lbs. @ 1/1 lb.; 7 lbs. @ 1/4 lb.
,, Hyd. Nit. Dil., 7 lbs. @ 1/- lb.
,, Paraff. Alb., P.B., 28 lbs. @ 8½d. lb.; 7 lbs. @ 9½d. lb.; 1 lb. @ 11½d. lb.; Flav. 28 lbs. @ 6½d. lb.; 7 lbs. @ 8d. lb.
,, Resinæ, P.B., 28 lbs. @ 1/- lb.; 7 lbs. @ 1/1 lb.
,, Sulphuris, B.P., 28 lbs. @ 9d. lb.; 7 lbs. @ 10d. lb.
,, Zinci Oxid. Benz., B.P., 28 lbs. @ 9d. lb.

Zinci Oleat. Powder, B.P.C., 7 lbs. @ 2/- lb.
Zinci Oxid., Wbitest and Lightest, B.P., 1 cwt. @ 65/- cwt.; 28 lbs. @ 7d. lb.; 7 lbs. @ 7½d. lb.
,, Sulpb., pure, 1 cwt. @ 37/- cwt.; 28 lbs. @ 4½d. lb.
,, Sulpbocarbolas, B.P., 7 lbs. @ 1/10 lb.; 1 lb. @ 2/1 lb.

*Minimum quantity at these prices; Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.

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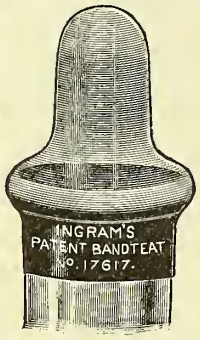

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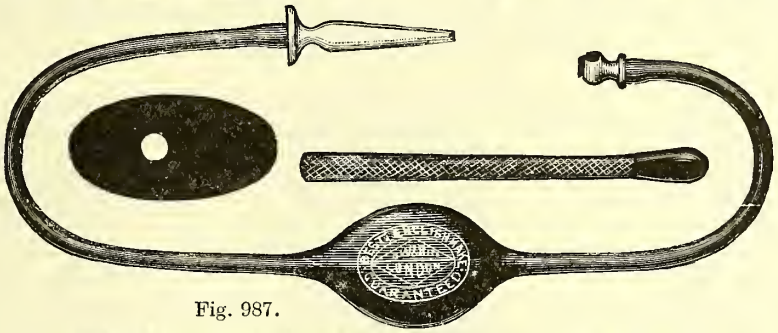

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Fig. 987.

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,, ,, in leatherette dome-top case	,,	19	0
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,, extra large and stout, the finest article made ...	,,	32	0
Fig. 988.—The **"EMPIRE,"** complete in card box	,,	18	0

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No. 2629.	Toilet Lanoline ...	3 sizes ...	2/9, 3/9 and 5/6	per doz.
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Customer's name free on 3 dozen of any one kind, and showcard supplied.

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Loofah both sides	8/6
" " turco bound	10/6
" and turco	7/-
" and fancy turco	7/6
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Turco white, thin	2/3
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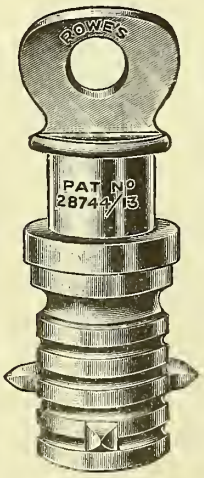

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* " " " " "	1/-	7/-
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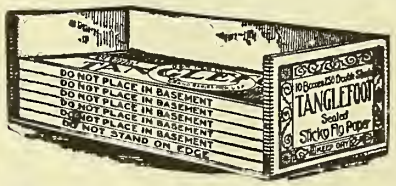

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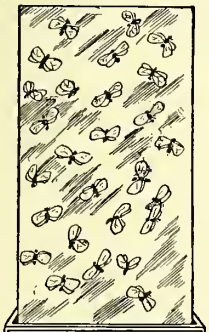

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Joffe, W.
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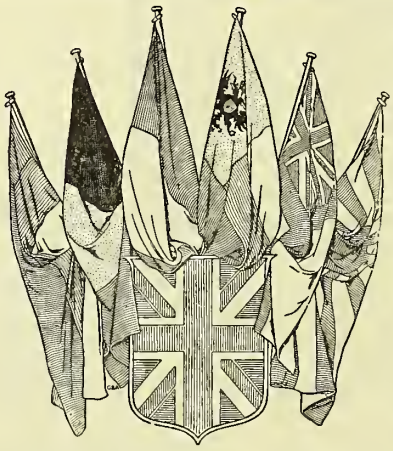

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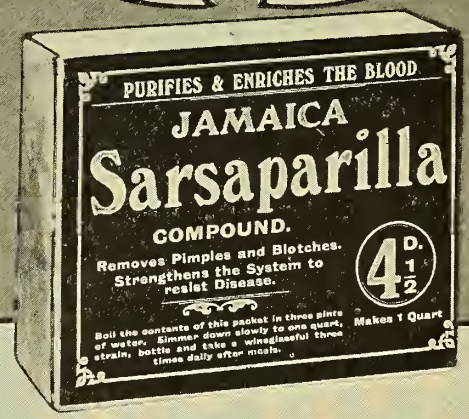

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THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, JUNE 19, 1915

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Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done **PROVIDED the MONEY is TELEGRAPHED** at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C.
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VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.**, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**
Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BRETT & CO.

Licensed Valuers,

73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester." Telephone 1934.

F. J. BRETT, M.P.S.,

GIVES PERSONAL ATTENTION TO ALL VALUATIONS.

NO CHARGE TO BUYERS.

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE.

£1,400 Returns.—NORTH MIDLANDS.—Very good mixed Business; easily worked; showing one-third net profit; rent £40; vendor is owner of the property, and will grant lease; price £800.

£900 (over) Returns.—WEST COAST resort.—In prominent position; high-class Retail, with splendid opening for Optics, etc.; net profit £230; price about £750.

£900 Returns.—LONDON, N.—Double-fronted shop in fine corner position. Good Family trade, with fine opening for Dentistry and Optics; price £450.

£850 Returns.—SOUTH.—Good light Retail, in beautiful and very healthy district, easy distance of town; net profit over £200; low rent; district developing; price £400.

£500 Returns.—LANCASHIRE (South).—Exceptionally profitable branch; no Patents; no N.H.I.; large shop and comfortable house; no opposition; price £250; part can remain.

£1,250 Returns.—MON.—Net profit over £400; general Retail and own specialities, in good colliery district; rent £20.

£600 Returns, increasing.—MIDLANDS.—Good light Mixed Retail, with plenty of scope for Agricultural; good house; large garden; rent £55, one half of which is paid by dentist for half-day week; price about £500.

We have cash Buyers for businesses from £500 to £5,000.

Valuations conducted upon the shortest notice at moderate fees.

PARSON C. BAKER

1 MOUNTFIELD ROAD, CHURCH END, FINCHLEY, N.

50 years' experience in every branch of business.

Recommended by— BRITISH DRUG HOUSES, LTD. MEGGESON & CO., LTD. BARCLAY & SON, LTD.

Tel. No. Finchley 512.

All correspondence should be addressed as above.

And at 174 VICTORIA ST., S.W., Ph.D. Tel. No. Victoria 8.

CENTRAL position, large town, beautiful tourist district; old-established Retail; returning nearly £3,000, steadily increasing; 8 years' average over £2,500; good-class trade; Agricultural, General, Retail, Prescribing, and Insurance, and very profitable Specialities; large sale; protected titles; no dental or optical, little Photographic; rent £88; house used for business; can renew lease; fully stocked; valuation, vendor's estimate, £1,800 to £2,000, and small goodwill, as may be agreed; small Wholesale trade; conducted by Assistant for many years; rent, salaries, light, and every business expense under £400; fullest examination allowed and introduction given; part cash can remain.

WEST END.—Light, Retail and Dispensing; Returns £1,100 net; rent £6; lease 15 years; Marylebone district; double-fronted corner; separate private entrance; high-class neighbourhood; price about £600 or offer; sole reason joining the Forces abroad.

THOS. TOMLINSON & SON

CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS.

45a MARKET STREET, MANCHESTER.

ESTABLISHED OVER HALF A CENTURY.

Telegraphic Address: "Tomtom."

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

BERDOE & FISH,

VALUERS & TRANSFER AGENTS,

35 Jewry Street, Fenchurch Street, City.

Telephone: 1809 CENTRAL.

NO CHARGE TO PURCHASERS.

1.—NORTH-EAST YORKS.—Profitable Cash Retail, with valuable Wine Licence; returns £900; net profit £360; central position; splendid premises; price £475 cash.

2.—SURREY. — Good-class Retail and Dispensing; returns £1,200; net profit £300; attractive Pharmacy; best position; fully stocked; price £750.

3.—HERTFORDSHIRE (Market Town).—Good-class Light Family Retail, increasing; returns £950; net profit £300; fine modern Pharmacy, well stocked; easy hours; price £750.

4.—CORNWALL (Death Vacancy).—High-class Business; same hands many years; returns £1,050; plenty of scope; main street; stock and fixtures worth £425; price £475.

5.—HOME COUNTY (35 miles out).—Good-class Retail and Dispensing in favourite residential locality; returns £1,250; good profits; scope for doing £2,000; handsome modern Pharmacy, well stocked; price £1,000.

6.—NORFOLK.—First-class Business, in large town; returns over £800; plenty of scope; corner position; low rent; price £350; £100 can remain; strongly recommended.

7.—LOWESTOFT (Death Vacancy).—Cash Retail with valuable Proprietaries; central position; plenty of scope; returns £1,000; profits half; price £500, or first reasonable offer.

8.—SUSSEX COAST.—Quite unopposed; returns £827, increasing; net profit £250; good house; price only £400.

9.—BIRMINGHAM.—Light Cash Retail; returns average £8 to £10 weekly; close to large works; low rent; price £80.

10.—WEST END.—Good-class Retail and Dispensing; returns over £1,100; low rent; good stock; price £600, or offer.

11.—LONDON, E.—Exceptional offer; sound Cash Business, under management many years; returns £1,200; net profit £400 clear; busy marketing centre; owner retiring; price £650.

STOCKTAKINGS.

We undertake stocktakings on a very low scale of commission or an agreed fixed fee, and also price out Chemists' own stocktakings. Please apply for our terms.

Businesses Wanted. Buyers Waiting.

BUSINESSES FOR DISPOSAL.

3s 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

BRADFORD.—Prosperous Business in middle-class suburb; returns £700 and increasing; gross profit £290 under unqualified; big scope for N.H.I.; immediate population of 6,000; no opposition for half a mile; well fitted and stocked; open to every investigation; ill-health cause of sale; price about £300, or would exchange for suitable seaside business. 115/30, Office of this Paper.

GRAVESEND.—Best residential locality; nearest opposition one mile; returns (all cash) over £600, and increasing; corner shop; electric light; modern house; side entrance; splendid opening for Dentistry or Optics; good reason for disposal; price £250 (about price of stock and fixtures). Apply, Fowler, Chemist, Gravesend.

HULL.—Owing to sudden death of proprietor; profitable Drug Store and Prescribing Business, on main road of thickly populated district; present returns £16 to £18 per week; could be considerably improved by qualified man; price £300 for immediate disposal. Apply, Mrs. T. Redford, 46 Hessle Road, Hull.

LANCS (Popular Resort).—Sound Business, occupying commanding corner position; handsomely fitted, well stocked; turnover £670; exceptional profits; valuation £400; easy rent; no reasonable offer refused. Apply, 122/11, Office of this Paper.

LONDON, S.W.—For Sale, well-fitted and stocked Chemist's Business; returns nearly £1,400; price for cash about £800. Apply, in first instance, to "Cosmos," c/o Wright, Layman & Umney, 50 Southwark Street, S.E.

LONDON, S.W.—High-class suburban Business on main road; returns for 1914, £1,450; price valuation, no goodwill; lease 17 years to run; insured for £1,000 against all war risk; investigation necessary before full particulars are given. Write to arrange appointment to "Come and Buy" (107/67), Office of this Paper.

LONDON, W.—Profitable Retail, Prescribing, Photographic, in busy part; death cause sale; unequalled chance to a beginner; terms of payment mutually arranged; low price asked for speedy sale, or partnership entertained. Apply, "Genuine," 198 King Street, Hammersmith.

MIDDLESEX (Main Road).—Old-established Light Retail and Dispensing Business; turnover about £650; well-fitted modern Pharmacy; electric light; roomy house; small garden; side entrance; rent £45; taking up Government work. Apply, "Beta" (121/4), Office of this Paper.

NORTH WALES.—For Sale as a going concern, old-established business of Chemist and Druggist in Wrexham; shop splendidly situated in main thoroughfare; modern fittings; electric light; good stock, which will be reduced if required; must be sold immediately; no reasonable offer refused. For particulars apply A. Moffatt, Accountant, 20 Regent Street, Wrexham.

QUEENSLAND, AUSTRALIA.—For Sale as a going concern, well-established first-class Chemist's and Dentist's Business in progressive farming and grazing district. New brick premises comprising handsome shop, dental surgery, waiting-room, workroom, and photographic dark-room—all suitably fitted and furnished. Surgery, which was built to own requirements as to lighting and ventilation, is fitted with Favourite Columbia chair, fountain spittoon, dressing wagon, and other modern accessories; nearly five years' steadily increasing takings; last year's income-tax returns show sales over £1,813; excellent profits; one other Chemist in town; Hospital and Lodge contracts divided at good prices; ten years' lease at £2 weekly; price about £1,450, represented by Chemist's stock and fittings, £850; dental plant and instruments £300; dental contingent accounts—being work in hand and to come in on which deposits have been paid—£100; Chemist's goodwill £100; dental goodwill £100; proprietor leaving drug trade to practise dentistry only in another district. 44/4, Office of this Paper.

WEST LONDON.—Owing solely to ill-health owner will sacrifice sound and profitable Cash Business, with valuable appointment; turnover exceeds £1,250; net profit, after paying assistant and all expenses, £350; busy main thoroughfare; excellent stock, all saleable; price £575 cash; open to every investigation. "Value" (123/11), Office of this Paper.

AN old-established Business in working-class district; Insurance Dispensing; good opportunity for energetic young man; ample scope; reason for selling, death of proprietor. Apply, Kendal, 32 Dinsdale Road, Roker, Sunderland.

CHEMIST, earnestly wishing to join R.A.M.C., will Dispose of his Business, in a Surrey village, at a very reasonable price; nice house and garden; beautiful locality; certain steady income for elderly Chemist, or could be greatly increased by energetic man. 120/30, Office of this Paper.

GENUINE Cash Retail Business; middle class; returns £1,400, increasing; net profit £400; large well-fitted shop; good house; London, S.E.; valuation and small goodwill. Apply, "E. M. C." (118/4), Office of this Paper.

LARGE village and populous adjacent district; unopposed; Kent; opened three years; continuously increasing net profit, £46, £142, £212; no dental, photo, or optic; modern attractive house and shop; ½ acre garden and orchard; vendor, aged, retiring; £350 or near offer. "Canterbury," 1 Mountfield Road, Church End, Finchley, N.

OWING to failing health of proprietor, one of the oldest and best-class Dispensing Businesses in the South of England is for Disposal; returns about £900; there is ample scope for increase; the premises are exceptionally good and quite modern in a well-known Inland Health Resort. Further particulars apply, "Dispensing" (138/600), Office of this Paper.

RETURNS nearly £3,000, and good prices; beautiful touring district, centre of good town; old-established Family and General, Counter, Retail, Agricultural, Prescribing, Insurance, and profitable Proprietaries; large sale all over district; protected titles; price, valuation and small goodwill, "Vendor," 1 Mountfield Road, Church End, Finchley, N.

SMALL Business for Sale in principal thoroughfare of one of the largest towns in Kent; excellent Proprietaries and small Patent trade; no agents; proprietor intends to assist in war business. For particulars apply to 115/28, Office of this Paper.

VERY profitable Business in the fruit-growing district of North Kent; nearest opposition four miles; large double-fronted shop, well fitted and stocked; excellent house, containing two reception-rooms, four bedrooms, bathroom, two box-rooms, two w.c.s, kitchen, and scullery; large Photographic room and dark-room; three entrances; garden, with lawn and seven fruit trees; low rent on lease; good reasons for selling; price £450; hours 9 till 8, Wednesday 1 o'clock, Saturday 9 till 8.30; not open Sunday; first time advertised. 120/20, Office of this Paper.

TO LET.

DENTAL ROOMS to LET, above Chemist; recently vacated; established several years; no premium. Davies, 34 James Street, Oxford Street, W.

DOUBLE-FRONTED Shop with good living accommodation to Let, in best position of Tylorstown, Rhondda Valley; ready fitted with Counter-cases, Wall-case, Drawers, Dispensing Screen, and other fixtures for Chemist; up-to-date fittings in windows; excellent opening for a qualified man; centre of densely populated area in colliery district. Apply, Mrs. Smith, Brynaethnen, Tylorstown.

FOR SALE.

CASH TILL, "National," for Sale; two-drawer machine; tape-printer and total-adder; perfect. Write "T. F.," 48 Hartington Road, Lower Edmonton, N.

AGENCIES.

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AGENTS wanted in all the principal towns of Great Britain for Korine Active Service Corn Silk, the smartest and most up-to-date line on the market; showing a net profit 114 per cent. John Selby & Co., 94 Queen's Road, London, W.

SALES BY AUCTION.

CLARE, Suffolk.—For Sale by Auction, "Bell Hotel," Haverhill, July 2, old-established Chemist's Business (with combination Wine, Spirit, and Ale Merchant and Tobacconist), including double-fronted shop, residence, and ample accommodation; splendidly situated in main street; excellent trade position; residential locality; freehold; property of the vendors; only reason for disposal, on account of death. Particulars and conditions apply F. C. Wayman, Esq., Solicitor, Clare, Suffolk; or C. Boardman, Auctioneer, Haverhill, Suffolk.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

RETAIL.

BARNSTAPLE.—Unqualified Assistant wanted for Agricultural and General Retail business; no Photographic; good salary given to quick, smart, capable worker. Please give full particulars, references, salary required, etc., in first letter, and enclose photo (to be returned), Dyson, Chemist, Barnstaple, North Devon.

BATH.—Assistant required, with good Dispensing experience; outdoors. Usual particulars, with salary required, to Williams, 25 Wellsway, Bath.

BIRMINGHAM.—Junior Assistant wanted in Light Retail and Dispensing business; outdoors; good salary; easy hours. Send usual particulars, with photo if convenient, to C. Thompson, Pharmaceutical Chemist, Sparkbrook, Birmingham.

BIRMINGHAM.—Assistant; unqualified; good appearance; knowledge of typewriting preferred; good salary to smart man. 118/24, Office of this Paper.

BIRMINGHAM.—Assistant; unqualified; capable Salesman and Dispenser; applicants please send particulars of age, height, previous experience, and salary required, enclosing photo (to be returned), to Manager, Hedges, Chemists, Ltd., 10, 11, 12 Dale End, Birmingham.

BIRMINGHAM.—Junior or young qualified Assistant; must be a neat and accurate Dispenser. Please give usual particulars to Atkinson, Chemist, Six Ways, Birmingham.

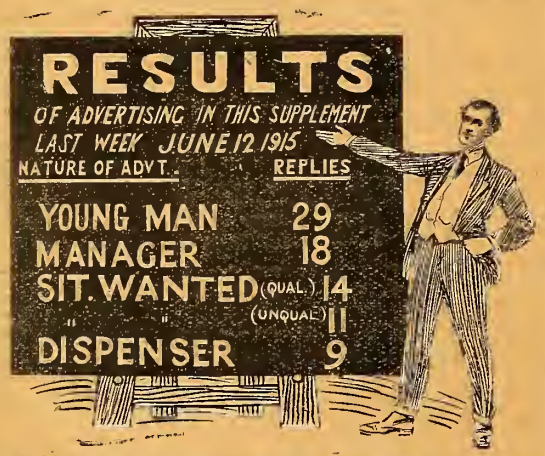
BOURNEMOUTH.—Junior or Improver for good-class Retail business. State experience, age, height, salary (outdoors), when disengaged, with photo and references, to W. Bland Botham, Pharmaceutical Chemist, The London Pharmacy, Bournemouth.

BOURNEMOUTH.—Wanted immediately, qualified Assistant; indoors; accustomed to best-class Pharmacy; capable of taking charge when needed. Please state age, references, and salary, H. J. Hughes, Queen's Road, Bournemouth.

BRISTOL.—Junior Assistant for Cash Retail, Dispensing and Photographic business; outdoors; half-holiday weekly. Apply, stating age, height, salary required, experience, also references, when disengaged, photo (if possible), to F. Moss, 206 Redland Road, Bristol.

BURNLEY.—Wanted, smart unqualified Assistant; one used to quick trade; state age, experience, and send references; permanency. M. Heaton & Son, Burnley.

CAMBERLEY.—Assistant with good Dispensing experience required; easy hours; outdoors. Full particulars to F. A. Cairns, Pharmaceutical Chemist, Camberley.



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

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RETURNING PHOTOS, Etc.

Advertisers in this Section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

CAMBERWELL.—Wanted, capable Manager, qualified (outdoors), for N.H.I. and Light Retail business; must be sober and obliging; hours 9 a.m. to 10 p.m., Thursdays 1 p.m. Please state age, references, and salary required to 122/20, Office of this Paper.

CHESHIRE (within short distance of Manchester).—Competent and reliable Assistant (permanency), capable of taking charge, for good-class and Mixed country business. Kindly state full particulars, etc., and salary required (outdoors), 122/06, Office of this Paper.

EASTBOURNE.—Junior Assistant wanted for good-class Retail and Dispensing business; permanency; in- or out-doors; comfortable situation. Apply, stating age, height, experience, salary required, and enclose photo, to J. Forbes, Pharmacist, Eastbourne.

GAINSBOROUGH.—Qualified Assistant as Locum for a month; indoors; state usual particulars, when disengaged, and salary required, F. W. Boon, 88 Trinity Street, Gainsborough, Lincolnshire.

INVERNESS.—Qualified Assistant, elderly preferred, but not essential, to manage small Branch; very easy berth; must be steady, with knowledge of Photography. Apply, stating salary expected, with references, Mayors, Inverness.

LANCASHIRE.—Capital opening for up-to-date qualified man anxious to obtain a lucrative permanency; good salary and liberal commission on profits offered to the right man; would just suit man recently married. "Burn" (120/023), Office of this Paper.

LANCASHIRE, N.E.—Qualified Manager required for sound business in well populated district; offers good scope to energetic man; married preferred; liberal interest in profits and good salary; interview arranged. Full particulars of experience, etc., to 121/33, Office of this Paper.

LEEDS.—Wanted, smart Junior; state full particulars, experience, salary required, etc., to Reinhardt & Sons, Ltd., Chemists, 7 Queen Victoria Street, Leeds.

LONDON (Near).—Wanted, smart, gentlemanly Assistant; good Salesman and competent Dispenser; able to take charge in absence of principal; first-class references indispensable; qualified preferred; outdoor berth; reasonable hours and liberal salary. Apply, with photo and particulars of age, height, and remuneration expected, to Cooper, Chemist, Sutton, Surrey. N.B.—Good opening for gentleman seeking succession.

LONDON.—Lady Assistant required; qualified; in- or out-doors. State salary required, "Statim" (122/18), Office of this Paper.

LONDON.—Qualified Assistant required immediately; in- or out-doors. State salary required, "Chemicus" (122/018), Office of this Paper.

LONDON.—Qualified Manager required for good-class Light Retail and Dispensing business; permanency; good salary with interest in the profits offered to the right man. "Pick" (120/032), Office of this Paper.

LONDON.—Locum, qualified, for the whole of July and again from the 16th August to the 28th; age not over 45. Apply, giving references, experience, and salary required, to 134/29, Office of this Paper.

LONDON (City).—Qualified Assistant to manage shop; smart Salesman; easy hours; outdoors. State experience and salary requested, 123/39, Office of this Paper.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed o/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitableness.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

LONDON, N.—Capable Assistant; salary £60 (indoors); also Junior or Improver; good opportunity to learn Dispensing; salary according to experience. Apply (letter only), stating experience, names of references, and when disengaged, "Chemist," 82 Bayston Road, Stoke Newington, N.

LONDON, S.W.—Required, Dispenser, with Minor qualification, for Dispensing; short hours of work, approximately 8.45 to 6 p.m.; no Sunday duty. Write, stating full particulars of experience, to L. J., 471, Sells' Advertising Offices, Fleet Street, London.

LONDON, S.W.—Capable Junior, well up in Dispensing and general Retail. State usual particulars and salary required, C. Lowe & Co., Surbiton, S.W.

LONDON, S.W. Suburb.—Outdoor Assistant with Dispensing experience required at once. Full particulars as to age, references, experience, and salary required, to C. J. G. Bunker, 30 York Street, Twickenham.

LONDON, S.W.—Manager, unqualified; reliable, trustworthy; middle-class business. State experience, references, salary required, and when at liberty, Goodall, 66 Lower Richmond Road, Putney, S.W.

LONDON, S.W.—Wanted early in July, an Assistant, with good knowledge of Dispensing; indoors; three kept. Apply, with full particulars, to E. C. Perks & Co., 1 Sloane Square.

LONDON, S.W.—Junior Assistant, young, for good-class business; outdoors; application from lady entertained. Full particulars, experience, salary, etc., to Neve, 10 Victoria Parade, Norbury, S.W.

LONDON, W.—Good Junior required, accustomed to Dispensing; outdoors. Particulars of previous experience, age, height, salary expected, and when disengaged to Sharpe & Son, 34 High Street, Notting Hill Gate, W.

LONDON, W.—Capable Assistant, with Dispensing experience; outdoors. Write all particulars to save time to Harding, Chemist, The Avenue, West Ealing.

LONDON, W.—Wanted, a competent Assistant, with good experience in a high-class Dispensing business; outdoors; three kept; no N.H.I., photographics, or optics. Apply, giving usual particulars, to Mr. D. L. Lewis, Chemist, Ealing, W.

LONDON, W.—Assistant wanted, unqualified, for quick Retail and Dispensing; outdoors. State full particulars or call, Milner, Chemist, 96 Askew Road, Shepherd's Bush, W.

LONDON, W.—A smart Junior, about 20, for high-class Dispensing business; two Assistants kept. 121/21, Office of this Paper.

LONDON, N.—Outdoor Assistant for quick Cash business; hours 9 to 9.30; Saturdays 10.30; Wednesdays close at 1; an hour off for dinner and an hour for tea; duty every other Sunday evening only from 6 till 9.30; salary £2 10s. per week to start. Letter, or call to Pirie, Chemist, 4 Grand Parade, Harringay.

LONDON SKIN HOSPITAL.—Locum required, qualified, for a fortnight, between July 12 and August 14. Particulars from "Pharmacist," 40 Fitzroy Square, W.

MANCHESTER.—Elderly qualified man required; hours easy; very comfortable; permanency to the right man. "Elderly" (120/302), Office of this Paper.

MANCHESTER.—Mottershead & Co., 7 Exchange Street, require a reliable unqualified Assistant for the Laboratory and Dispensing Department. State, in full, experience, age, and salary expected.

MANCHESTER.—Blain & Hankinson, Ph. Chemists, 69 Market Street (formerly Woolley's), require an unqualified Junior or Improver; short hours; no Sunday duty.

MARGATE.—Branch Manager, accustomed to good-class Retail and Dispensing with Photographics; good references essential. Apply, stating age, experience, salary required, and enclose photo, to D. T. Evans, The Parade, Margate.

NEAR LONDON.—Wanted, smart Junior Assistant for good-class business; work light, hours short. Please give usual particulars and state salary required to "L. J." (121/27), Office of this Paper.

NEAR MANCHESTER.—Wanted, unqualified Assistant; outdoors; must be good Dispenser and Counterman. Full particulars and wages required, 122/015, Office of this Paper.

NEAR MANCHESTER.—Wanted, qualified Assistant for quick Cash business; must be smart, a willing worker, and good Salesman. Address, with full particulars, age, references, and photo, to 122/15, Office of this Paper.

NEWQUAY, Cornwall.—An Assistant for a few months. Apply, giving all particulars, to Alfred Bond, The Pharmacy, Newquay, Cornwall.

S.E. DISTRICT.—Wanted at once, capable Assistant; easy hours; must have excellent references; wages 40s. 121/18, Office of this Paper.

SHEFFIELD.—Qualified Manager for branch shop; fair locality; easy hours; permanency for suitable gentleman; would suit gentleman just qualified; half-day holiday. State salary required and full particulars to E. Tibbles, 181 Whitham Road, Sheffield.

SHREWSBURY.—Junior Assistant required; outdoors; easy hours; no extra or Sunday duty; please give full particulars and salary required in first letter, and say when disengaged. Apply, A. Williams, Chemist, Castle Street, Shrewsbury.

SOUTH COAST.—Assistant required; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

SOUTH COAST. — Ordinary Retail and Prescribing, some N.H.I. work; Extractor with knowledge of Dentistry preferred, but not essential if willing to learn. State full particulars as to age, experience, references, when at liberty, and salary required; also vacancy for Improver in market town; knowledge Photography. 122/7, Office of this Paper.

SOUTH KENSINGTON.—Wanted at once, a competent, gentlemanly Assistant, unqualified, for Mondays, Wednesdays, and Saturdays whole day, and alternate Sundays 11 to 1 and 6.30 to 8.30. Apply personally, E. Anstee Turner, 100 Fulham Road, S.W.

STAMFORD.—Wanted, as soon as possible, Assistant; qualified or not; must be good Dispenser, Counterman, and Prescriber. Apply, stating previous experience, height, salary required, and references, Dickinson, Stamford.

STOWMARKET.—Assistant required, either sex; quick and accurate Dispenser; easy hours; alternate Sunday duty. State salary required, Thos. Wilson, Chemist, Stowmarket.

WORCESTERSHIRE.—Wanted, Assistant (outdoors) for Mixed Chemist's business; good Counterman and Window-dresser; capable of taking charge; good references essential; state age and salary required; applications strictly confidential. Apply, Smith & Son, Business Agents, County Chambers, 63½ Corporation Street, Birmingham.

YORKSHIRE.—Elderly qualified man required; Yorkshire (West Riding); easy hours; work light; permanency. State age, when at liberty, and salary desired, 120/320, Office of this Paper.

ASSISTANT, unqualified; must be a reliable Dispenser; easy hours; usual half-day Thursday, also 12-5 on Tuesdays. Full particulars and references to Secretary, Industrial Co-operative Society, Morley, Yorks.

ASSISTANT, qualified, wanted immediately; outdoors. Apply personally, or by letter, Spink & Co., 27 Tottenham Court Road, London, W.

ASSISTANT wanted; qualification preferred, but not essential; references must bear strict investigation. Apply, if by letter enclose photo (to be returned), to R. S. Starkie, 126 The Strand, W.C.

AT once, qualified and unqualified Assistants, male or female (outdoors), for up-to-date Dispensing business. Apply, with full particulars as to age, experience, and salary required, to C. Breese, 73 Mitcham Lane, Streatham. 'Phone, 446 Streatham.

BRADLEY & BOURDAS, 6 Pont Street, S.W., require Junior Assistant. Particulars to Mr. Bourdas.

BRADLEY & MARTIN, LTD., have a vacancy for a qualified Assistant for the Dispensing and Retail Counter; indoors; application from a lady (outdoors) would be entertained. Apply by letter, Brady & Martin, Ltd., 29 Mosley Street, Newcastle-on-Tyne.

CHEMIST; qualified; easy hours and work; near Regent's Park; outdoors; suit elderly man or lady. "Primus" (123/15), Office of this Paper.

COMPETENT Assistant wanted, soon, in Dispensing and Retail business (outdoors). Apply, with full particulars, A. E. Hobbs, Pharmaceutical Chemist, Tunbridge Wells.

DISPENSER, qualified, required at once. Apply personally, or by letter, stating full particulars of experience, to Staff Superintendent, Harrods, Ltd., 44 Hans Crescent, S.W.

EXPERIENCED Assistant required for good-class Retail and Dispensing business; must be a reliable Dispenser; outdoors; no N.H.I. work. Apply, giving references, experience, and salary required, to J. W. Moorhouse, Pharmacist, Barnsley.

HOGG & SON, 1 Southwick Street, Hyde Park, require an Assistant (outdoors) for first-class Dispensing and Retail business; staff of three. Apply, personally or "by letter, giving full particulars, to "E. G. H." at above address.

JUNIOR or Improver (unfit for military service) required for Counter and Stock; outdoors. State salary required, with references, to I. Patterson, Pharmacist, 52 Ilford Lane, Ilford.

JUNIOR at once for quick Cash business; Stock, Dispensing, and Counter; no Sunday or Bank Holiday duty. Apply, with usual particulars, to Fred. R. Smallman, 228 Soho Road, Birmingham.

JUNIOR Assistant for good-class and Mixed Country business. Kindly state experience, age, height, etc., and salary required (outdoors), Horrocks, Chemist, Knutsford.

JUNIOR Assistant, about 20, in good-class Retail and Dispensing business; short hours; two kept. Apply, stating age, height, salary required, and references, to Metcalfe & Son, Pharmacists, Hull.

JUNIOR Assistant or Improver; board in; sleeping accommodation provided away from business; duties light; reasonable hours. Apply, with particulars of experience and salary required, to Wyatt, Chemist, Barnes, S.W.

LADY Assistant; qualified or otherwise; in middle-class Pharmacy; moderate hours; no Sunday duty. Apply, stating salary (outdoors) and full particulars of experience, with photograph, if convenient, F. Jones, Pharmacist, Houghton-le-Spring, Co. Durham.

LADY Dispenser required (single); must hold certificate of the Pharmaceutical Society; salary £87 per annum, with board, lodging, and washing. Particulars of duties contained in the form of application, which will be forwarded by the undersigned on receipt of a stamped addressed foolscap envelope. Officer-in-Charge, Welsh Metropolitan War Hospital, Whitchurch, near Cardiff.

LADY with Apothecaries' Hall qualification for checking National Health Insurance prescriptions. Reply, stating age, salary required, etc., to Clerk, Insurance Committee, Bedford.

LADY Dispenser-Clerk wanted at the Deptford Borough Council's Tuberculosis Dispensary, New Cross; salary £70 per annum, rising £5 annually to £90. All applications to be on forms which can be obtained from the Town Clerk, Town Hall, New Cross Road. Last date for receipt of forms 1st July, 1915.

LADY Dispenser required to take up duties immediately in N.E. district of London; qualified or unqualified with experience. Apply, with references, Scott, 183 Evering Road, Stoke Newington.

LOCUM wanted for Liverpool Drug Store in working-class neighbourhood, second week in August, for two or three weeks. State terms and particulars, 119/2, Office of this Paper.

LOCUM wanted for six weeks or more from beginning of August; qualified or unqualified; outdoors; no Sunday duty. Liverside, Chemist, York.

LOCUM, unqualified (outdoors), for July, August, and September; must be a good Dispenser. Send particulars of experience, references, and salary required to Reid, Pharmacist, Exeter.

LOCUM Dispenser (male or female) wanted for the Royal Infirmary, Sheffield, for four weeks from July 5 to 31 inclusive; dinner and tea provided; hours 9 to 5; Hospital experience desirable. Write, stating terms and all particulars, to the Pharmacist, The Royal Infirmary, Sheffield.

LOCUM, qualified, wanted, July 5 to 18, also September 6 to 19; outdoors; either or both dates. Terms and references to Freeman, Chemist, Chatham.

LOCUM.—Junior or Improver (outdoors) for four consecutive weeks commencing August 3. Give full particulars and references, Brown, Chemist, Bearwood, Birmingham.

LOCUM Dispenser (male) required for the Friendly Societies' Medical Institute, Northampton, July 5 to 18 inclusive; Minor qualification, or Apothecaries' Hall with N.H.I. qualification essential; easy hours; good remuneration to a suitable man. Apply, with full particulars, to the Dispenser, 157 Colwyn Road, Northampton.

MANAGER; Country branch; permanency for suitable elderly gentleman; good-class business; light duties; very healthy district. Particulars to Exell Bros., 38 Ellesmere Road, Sheffield.

MANAGER required for South London branch; live on premises; share of profits. Apply, with full particulars, to 123/38, Office of this Paper.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist as Manager; easy hours; good and progressive salary, with excellent prospects.

METROPOLITAN HOSPITAL, Kingsland Road, N.E.—Applications are invited for the post of Assistant at a Special Tuberculosis Department of a qualified Lady Dispenser, who will be required also to act as Clerk to the Medical Officer; proficiency in typewriting and shorthand will be a strong recommendation. Applications (by letter only, in own handwriting) with copies of testimonials and salary required, should be addressed to the undersigned. J. Courtney Buchanan, Secretary and House Governor.

QUALIFIED Manager wanted for Light Retail in South Devon; hours easy; will suit one seeking a permanency. Send full particulars as to experience, references, salary required, etc., to Holman, Ham & Co., Ltd., Market Street, Exeter.

QUALIFIED.—Vacancy occurs for "Minor" man with good experience in quick London business; progressive position if willing and energetic. State age, height, salary required (outdoors), whether married or single, when disengaged, and particulars of experience to 119/7, Office of this Paper.

QUALIFIED, to Manage good Retail Dispensing; indoors preferred; Lancashire town; good salary to suitable man. Full particulars, 135/25, Office of this Paper.

QUALIFIED man; medium age preferred; outdoors; £3 3s. weekly; 2½ per cent. commission on everything except Patents; London, N.; hours 8.30 to 9.30; half-holiday weekly; two hours alternate Sundays; one assistant kept. Apply, "F. E.," "Ivydene," 161 Fentiman Road (opposite Park), South Lambeth, S.W.

QUALIFIED Assistant required; short hours; easy position; would suit middle-aged or elderly gentleman; whole or part time. Apply, "W. H." (123/18), Office of this Paper.

QUALIFIED man to manage good East-End business; commencing salary £2 per week, with house, or £2 10s. without, with 10 per cent. commission on net profits; progressive salary with increased business. Apply, 123/36, Office of this Paper.

RELIABLE Assistant required early July; Mixed Retail and Dispensing, with Optical knowledge preferred. State salary, age, with full particulars, photo if possible, W. McCallister, Pharmacist, Westhoughton, near Bolton.

RELIEF.—Qualified lady or gentleman wanted few evenings weekly. A. S. Cheetham, 10 Royston Parade, Beckenham Road, Penge, S.E.

SMART Junior Assistant of good address (outdoors) for quick Retail; easy hours; weekly half-holiday; no Sunday duty. Apply, with usual particulars, to S. H. Oliver, Messrs. Walter Gregory & Co., Wellington, Somerset.

SMART, active Junior for good working-class Lancashire trade, with Insurance Dispensing; outdoors; no Sunday duty; weekly half-holiday; close Saturday 10 p.m., other nights 8.30 and 9 p.m. Apply, stating age, salary expected, when disengaged, references, etc., to "Homo" (122/4), Office of this Paper.

THOMPSON & CAPPER'S have a vacancy for a qualified Manager for a Yorkshire branch. Send full particulars and photograph, if possible, to Manesty Buildings, College Lane, Liverpool.

UNQUALIFIED Junior Assistant at once; Dispensing, Photography, and Counter; permanency; also temporary Assistant for July, August, and September; unqualified. Apply, R. E. Pearce, Chemist, Newquay, Cornwall.

UNQUALIFIED, good Counterman, required; permanency. State age, commencing wages required, and details of previous experience to Manager, Junior Army and Navy Stores, Ltd., Aldershot.

UNQUALIFIED.—Wanted, smart Assistant, who is desirous of extending his knowledge in Photography and ambitious, for business consisting of practically all high-class Photographic trade; first-rate salary for suitable man, with good prospects of advancement. Watson's, 84 High Street, Sheffield.

UNQUALIFIED Assistant as Relief, from July 15, for four to six weeks; £2 10s. per week offered; Counter and N.I. Dispensing principally. Send necessary particulars with letter of application, "Cardiff" (119/4), Office of this Paper.

UNQUALIFIED Assistant wanted for permanency; good all-round man; must bear good references; personal application preferred. M. Matz, M.P.S., 5 Bury New Road, Manchester.

NQUALIFIED; age about 25; Counter and Dispensing, including N.H.I.; good-class business. State salary required and erience, Vince, Pharmacist, Lancaster.

NQUALIFIED Assistant required for London, with all-round Dispensing, Counter, and Photographic experience; good ary to suitable man. Apply, giving full particulars, which will treated in confidence, to 119/07, Office of this Paper.

NQUALIFIED for small Drug Store; easy job; would suit an elderly man; strictly honest and sober; wages 30s. and commission. Apply Graut, 3 Chatsworth Road, Clapton Park, N.E.

NQUALIFIED Manager, and also an Assistant, both outdoors, for Dispensing and Photographic business; state salary required; London, S.E. Apply, "Pharmacist" (122/17), Office of s Paper.

NQUALIFIED.—Good Counterman required; permanency; state age, commencing wages required, and details of previous erience to Manager, Junior Army and Navy Stores, Ltd., lershot.

VANTED, Locum for five weeks, commencing during July. Apply, Church & Son, Chemists, 52 Hills Road, Cambridge.

VANTED, Junior or Improver; outdoors; no Sunday duty; weekly half-holiday; reasonable hours. State age, salary, erience, etc., Jones, Pharmacist, Thayer Street, Manchester uare, W.

VANTED, immediately, qualified Assistant; references must bear the strictest investigation. C. Robertson & Son, armacists, 229 Dalton Road, Barrow-in-Furness.

VANTED immediately, qualified Lady Assistant; Retail experience essential. Send particulars, with salary required doors) and photograph, to Miss Horniblow, 4 Queen's Buildings, ndudno.

VANTED, an Assistant, about 23 or 24, with experience in good-class trade; must be neat and accurate Dispenser. Bletsoe, Chemist, Richmond, Surrey.

VANTED, young Lady Assistant, age about 21, for Counter and to assist with Dispensing; qualified lady kept. Please te salary and references, etc., to T. Charles, Chemist, Burslem.

VANTED, unqualified Assistant (outdoors) in good-class Dispensing business; reasonable hours. Apply, Quibell, The tion Pharmacy, Golder's Green, N.W.

VANTED immediately, two Assistants used to Dispensing; short hours; half-holiday weekly; no Sunday duty. State erience and salary expected (outdoors), F. W. Goodess, Pharcist, 25 Market Street, Leicester.

VANTED, smart, reliable Assistant or Improver; also Lady Dispenser of experience. Apply, Ralph Cuthbert, Ltd., emists, Westgate, Huddersfield.

VANTED, a good Junior, about 20 years of age; must be a good Stockkeeper, and used to a brisk Country trade; irs easy, and no Sunday duty. Apply, stating salary and ing all particulars, to H. Clarke, 31 High Street, Chelmsford.

VANTED immediately, qualified Manager; Extractor if possible; country business in picturesque district; short irs; half-day; no Sunday duty; suit elderly or semi-retired tleman; indoors or outdoors; must be steady and reliable. ply, full particulars, salary required, etc., "Salol" (122/10), ce of this Paper.

VANTED at once, for about a month, a qualified Locum or temporary Assistant (outdoors) for Dispensing business in th of England. State references and salary required to 121/29, ce of this Paper.

VANTED, a smart, reliable Assistant for a good-class Retail and Photographic business in N.W. district; permanency good prospects for a suitable man. Apply, giving usual ticulars, and state salary required, 121/25, Office of this Paper.

VANTED, an Apprentice or Junior for a good-class Dispensing business; easy hours; time for study, and help given in all subjects needed for the Minor exam.; salary given from mencement. "Essex" (118/3), Office of this Paper.

VANTED, immediately, qualified Manager, with knowledge of Dentistry, for good-class business; must be steady and have ellent references; salary 3 guineas. Apply, with full particus, 121/19, Office of this Paper.

45/- per week.—Counter Assistant with a good general knowledge of the business wanted for quick cash trade. Apply, giving particulars as to age, experience, references, and when disengaged, also vacancy for Handy Man in stockrooms, to Bishop & Vincent, 460 Holloway Road, London, N.

WANTED, immediately, Manager; qualified; for Chemist's business in market thoroughfare; with or without view to succession; East London. 123/9, Office of this Paper.

YOUNG lady as Junior or Improver for Counter and Dispensing in Mixed Country business; easy hours; no Sunday duty. State usual particulars and salary required (outdoors) to Sturton & Howard, Fore Hill, Ely, Cambs.

£2.—Unqualified Assistant required immediately; permanency; splendid opportunity for gaining exceptional experience. "Unqual." (120/32), Office of this Paper.

£3 10s., plus an interest in the profits of the business, offered for a steady, capable, qualified man for his willing and energetic service as Manager of Branch; business is situate in Kent. "Kent" (120/203), Office of this Paper.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

SOUTH COAST.—Dry Counterman required; permanency; good wages. Please state age, experience, etc., Timothy White Co., Ltd., Portsmouth.

SOUTH COAST.—Wet Counterman required; permanency; good wages. Please state age, experience, etc., Timothy White Co., Ltd., Portsmouth.

DRUG Trade (Wholesale).—Man wanted for Laboratory; must be experienced. Apply, stating age and wages required, to Manager, General Apothecaries' Company, 49 Berner's Street, W.

EXPORT Packer required by London wholesale Druggists; previous experience necessary, and good reference; wages 30s. Apply, with full particulars, to "Galena" (135/54), c/o Office of this Paper.

HOUGH, HOSEASON & CO., Wholesale Manufacturing Chemists, 2 Bridge Street, Manchester, have vacancies for good reliable men (ineligible for the Army preferred) in the Wet, Dry, Sundry, and Packing departments; also for Tablet and Pill making and general Laboratory work; good wages and permanent positions. Please state which department when applying.

LABORATORY Manager for manufacture of Toilet Preparations; must be active, strong, and willing. Give full particulars of experience, age, and wages required, 134/8, Office of this Paper.

LADY Assistant required for Chemical Works Laboratory; position is one of permanency and advancement to suitable applicant. State experience, age, and salary required to 131/48, Office of this Paper.

OIL.—Cellarman required at once. Preference given to one not of military age. Apply, C. J. Hewlett & Sons, Ltd., Wholesale Druggists, 35 Charlotte street, Great Eastern Street, E.C.

PACKERS required, experienced in packing Drugs for Home and Export. Apply, Burgoyne, Burbidges & Co., East Ham, E.

PACKERS (two) and also a Checker required for a Druggists' Sundries house in the City. Write, with full particulars as to experience, age, and wages required, to 114/18, Office of this Paper.

REQUIRED at once, smart Invoice Clerk; must be a rapid reckoner. Apply, stating experience and salary required, to R. Sumner & Co., Ltd., Wholesale Druggists, 40 Hanover Street, Liverpool.

TRAVELLERS wanted to take up a Germicidal Sanitary Soap, Disinfectants, Metal Polishes, Wood Preservative, Universal Antiseptic Healer; liberal terms. Apply, with full particulars, 119/35, Office of this Paper.

UNDER-WAREHOUSEMAN required immediately, who has had experience in despatching goods. Apply, R. Sumner & Co., Ltd., 40 Hanover Street, Liverpool, stating age, experience, wages required, etc.

WANTED, Travellers who could run Micamask Protectors on commission in various districts; good terms for live men with good connections. Apply, J. M. Brown & Co., 118-122 Holborn, E.C.

WANTED, to Represent a Manufacturer of Saponified Cresol and Disinfectants in London, energetic Salesman with connection among Wholesale and Retail Chemists and Exporters; liberal terms. Apply, stating age, experience, and salary expected, 125/1, Office of this Paper.

WET Floor and Laboratory Assistants wanted. Apply at once to Willows, Francis, Butler & Thompson, 40 Aldersgate Street, E.C.

WET-FLOOR Assistant required at once for London Wholesale Druggists. Apply, stating age and wages required, to 33/3, Office of this Paper.

WET and Dry Counter hands wanted at once. Apply, Burgoyne, Burbidges & Co., East Ham, E.

YOUNG Pharmaceutical Chemist required in Wholesale Department; would be required for Testing Drugs and Laboratory Preparations, and for Experimental work. Mention age, salary desired, and customary information, Timothy White Co., Ltd., Portsmouth.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for **50** words or less; **6d.** for every **10** words or less beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

INDIA.—Old-established private firm require smart, pushing Assistant with Minor qualifications; salary commencing £18 per month, with annual increase of £2 per month; four years' agreement; second-class passage out and home; excellent prospects for a man not afraid of work; also Assistant required for Surgical Department; must have had first-class experience and possess a thorough knowledge of the business; terms on application. Apply, "L. M.," Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close, E.C.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

[HOME.]
RETAIL.

A STEADY reliable Dispenser; general experience, unqualified; aged 28, single, requires position in London; outdoors; short hours; ten years' Irish city experience; good references. Address, 122/29, Office of this Paper.

A YOUNG lady, with slight knowledge of the trade, wishes to enter a Pharmacy in the Midlands as Improver. 118/29, Office of this Paper.

ADVERTISER seeks berth as first Assistant; London or South preferred, but not essential; outdoors; tall, good appearance and address; age 35; excellent references; unqualified; trustworthy and of proved ability; tactful Salesman, good Dispenser and Prescriber, Surgical, and Photographic; disengaged soon. Replies to "Competent" (123/25), Office of this Paper.

ANY capacity; qualified; 42; single; with or without view to small interest. Terms to suit; good varied experience; London or elsewhere. "Adaptable" (123/4), Office of this Paper.

AS Army or Navy Dispenser, any command, experienced. "Mac," Sherwood Pharmacy, Warsop.

AS Manager; unqualified; small branch; or Part-time Assistant; mixed middle- and working-class experience, N.H.I. Dispensing included; 18 years' reference; wages secondary to acceptable situation; at liberty. 118/2, Office of this Paper.

AS Manager.—An experienced business man desires a change; well up in Photography and Optics, expert Window-dresser, capable Buyer, and successful Advertiser. State salary offered to "Ability" (120/24), Office of this Paper.

ASSISTANT; 9 years' first-class experience, Compounding, Front Counter, Photography; reference undeniable. 121/11, Office of this Paper.

ASSISTANT (21), unqualified, seeks situation; high-class Dispensing experience; outdoors. 120/18, Office of this Paper.

AVAILABLE at once for evening work; introductory, doubtless, to full-day engagement; advertiser, long out of the craft, but now in Wholesale, seeks engagement; or otherwise negociable; qualified. "Scot," 34 St. John's Road, Highgate.

BRANCH Manager, Senior; experienced Dispenser, Prescriber, Extractor, Veterinary; married; 40. State salary, "Reliable," Sherwood Pharmacy, Warsop.

BRANCH Manager, qualified, married, live on premises; young; good middle-class Dispensing; month's notice required. 120/27, Office of this Paper.

BRIGHTON, or near.—Experienced; unqualified; 27; desires change. State hours, salary, etc., 123/29, Office of this Paper.

DISENGAGED; smart, up-to-date man; 37; 5 ft. 10 in.; unqualified; married; 16 years' West-End, South Coast, and Continental experience; free from further active service. "Felix," 72 Ditchling Road, Brighton.

DISPENSER, Medical or Institution; experienced Dresser, Lecturer, general Surgery routine; age 29; ineligible for Army; excellent references; 5½ years last position; permanency. 118/26, Office of this Paper.

DOCTOR'S Dispenser-Bookkeeper disengaged; 10 years' experience; outdoors. C. S., 19 Rockmount Road, Norwood.

ELDERLY, qualified; Part-time or otherwise; S.E. preferred. Filmer, 226 Camberwell Road, S.E.

GENTLEMAN, six years' experience own account in Drug Store and Photographic business (whose business has been ruined by war), wants position in Stores or Chemist's business. "F.," 1 Manley Road, Waterloo, Liverpool.

JUNIOR (21), tall, requires situation. Morgan, 91 Llewelyn Street, Peutre, Glam.

LADY desires post, Dispenser or Assistant; recent branch Manager. Apply, "Pharmacist" (118/25), Office of this Paper.

LADY, M.P.S., 21, requires post; live out; good-class shop; wages not so essential as opportunity to gain methods and acumen of business; reliable; good Dispenser; obliging; retail experience. Replies, 132/54, Office of this Paper.

LOCUM; qualified; age 36; town or country; good references. "R. T.," Snaresbrook, Windermere Road, Coulsdon, Surrey.

LOCUM; unqualified; abstainer; well recommended; London. "L.," 28 Sydney Street, South Kensington.

LOCUM; unqualified; tall; age 28; experienced in all branches; disengaged July 5. B. Rowland, 12 Kylemore Road, West Hampstead, N.W.

LOCUM; any period; thoroughly experienced; reliable references. Forster, 54 Romilly Road, Finsbury Park, N.

LOCUM.—Advertiser is selling his business, and is open for engagements for a short time from Monday. Apply 121/23, Office of this Paper.

LOCUM; permanency; reliable; excellent experience and references. "Chemist," 185 Tottenham Road, W.

M.P.S., Retired Chemist, middle-aged, wishes to join company or Chemist, and to take active part in introducing and pushing Proprietary articles, or any responsible position in connection with the Drug business; no Dispensing; highest references given and required; fair amount of capital if necessary; in London at present for few days; Personal interview essential. 123/26, Office of this Paper.

ANAGER; unqualified; or position with scope; 10 years' experience; seeks change; good all-round man; disengaged gust; Counter, Window-dressing, Dispensing. "Radix" 22/14), Office of this Paper.

EDICAL STUDENT holding Transvaal qualification, recently Manager for leading firm Chemists Pretoria, desires berth Assistant for the summer vacation (July, August, and Septem-r); highest references, home and colonial. 116/30, Office of this per.

ORNING Engagement, Dispensing, Manufacturing, Stock, Stocktaking, Counter, Buying, Optical, Bench and Refrac-us, Bookkeeping. "Pharmacist," 118 High Street, Croydon.

OMINAL salary; permanent occupation; qualified; 42; single: not strong; Whole or Part. "Useful" (123/04), Office of s Paper.

OTTINGHAM, or near.—Locum has fortnight open; excellent references. "Statim" (121/34), Office of this Paper.

ART-TIME: qualified; alternate Wednesdays, Thursdays from 2, Sundays all day; London. 120/31. Office of this Paper.

HARMACIST; 36; excellent references; desires permanent position. "Statim" (118/31), Office of this Paper.

HARMACEUTICAL and Chemical Student (London matriculation), Bacteriologist (Pasteur Institute), with London ex-rience and references, desires part-time work in London Phar-cy, Laboratory, or Hospital; French, Russian, German, English. Weinger, King's College, Strand.

HARMACIST (married) desires sole Management of business, with a view to succession on easy terms preferred. Chemicalis" (118/40), Office of this Paper.

UALIFIED, 32, seeks berth; disengaged shortly. "Locum," 92 Turner's Hill, Cheshunt.

UALIFIED, Manager; good all-round experience. "Alex.," 7 Barrow Road, Streatham Common.

UALIFIED, experienced Lady Dispenser desires Engagement; eight years in busy London practice; Bookkeeping, Correspon-ce; in or near London preferred. Apply, H. B., 22 Lower d, Rotherhithe, S.E.

UALIFIED; 42; single; indoor Dispensership preferred. Barker, 1 Robinson's Place, Woodbrook, Oldham.

UALIFIED Chemist wishes post, with view to succession on easy terms; age 36, married; small capital; London or near; management if required. 121/38, Office of this Paper.

UALIFIED (30), single, excellent West-End experience, Counter and Dispensing, with first-class references and character, ires responsible position; disengaged July 5. 119/3, Office of s Paper.

UALIFIED (30) disengaged shortly; outdoors. 120/14, Office of this Paper.

TUDENT; Locum; six weeks commencing June 28. Wilson, Northern College Pharmacy, Manchester.

NQUALIFIED (26), 11 years' experience, seeks permanency; manage small Branch; married; engaged at one month hemious," 43 Station Grove, Wembley.

NQUALIFIED Lady Assistant desires situation; 6 years' Retail experience; not afraid of work; any district. Address, 120/38, ce of this Paper.

NQUALIFIED Manager or Assistant seeks permanency; highest references. State salary to "Rhei" (120/17), Office this Paper.

OUNG lady, just left college, requires experience under a qualified Dispenser; Coventry or Leicester district preferred. ter, Husbands Bosworth, near Rugby.

OUNG lady, unqualified, experienced Front Counter, Photo-graphy, and N.I. Dispensing, desires post in West or S.W. trict; outdoors. M., 148 Wardo Avenue, Fulham.

YOUNG lady (Hall student) would give three evenings weekly for additional experience. M. Mellins, 50 Great Garden Street, London, N.E.

42; free from 9 to 5; London only. 115/22, Office of this Paper.

WHOLESALE.

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ADVERTISER is open for engagement as Warehouse Manager; long experience in Soluble Essences, Oils, etc.; or as Correspondent, Representative, or Buyer; aged 44. 123/27, Office of this Paper.

ADVERTISER, 40, seeks position any capacity in Wholesale, Wet or Dry; first-class references; good varied Retail experience. "Camphor" (123/31), Office of this Paper.

CAPABLE Pharmacist (37), qualified, abstainer, desires change from ordinary Retail; experienced manufacture Galenicals and Medicinal and Toilet Specialities; supervise machinery, packing, and accounts; permanency; disengaged latter end July. 118/39, Office of this Paper.

GENTLEMAN, 15 years' experience in office of Wholesale Drug and Sundries house, good address, able to control, desires change; would travel. 121/7, Office of this Paper.

PERFUMES, Sundries, Patents.—Advertiser, good all-round experience, seeks berth; capable Buyer, Stockkeeper; can compound Perfumes, compile catalogues, etc.; excellent references. "Neroli" (123/12), Office of this Paper.

REPRESENTATIVE, travelling London and Suburbs; 10 years' scientific training; thorough knowledge Drugs and Therapeutics; specially adapted for placing genuine Proprietaries; excellent references. 123/8, Office of this Paper.

SURGICAL Appliances.—Competent Fitter and Salesman; tactful, energetic; 16 years' London experience, Wholesale and Retail; excellent references; interview or correspondence invited. 123/025, Office of this Paper.

TRAVELLER, covering Home Counties for a Patent house, is open for additional house; commission and part expenses. J., 110 East Dulwich Road, London, S.E.

TRAVELLER, experienced commercial training; smart salesman, open to represent first-class house; Essences, Oils, Perfumes, etc.; sound connection Manufacturing Confectioners, Mineral-water Makers, Chemists. Apply, 110/26, Office of this Paper.

TRAVELLER.—First-class Traveller (qualified Pharmacist), with good record and an undeniable connection with best buyers in certain districts, would Represent firm of first standing. Full particulars will be given on reply to "Calx" (121/40), Office of this Paper.

TRAVELLER, resident Bristol, is open for one good agency for Midlands, West of England to Penzance; commission basis; just commencing journey. 132/47, Office of this Paper.

TRAVELLER, with established connection amongst Chemists in London and Suburbs, requires situation with Drug and Sundries house; first-class references. 120/19, Office of this Paper.

WANTED, position as Travelling Representative in the Orient for one or more first-class firms wishing to extend their trade in India, Ceylon, China, and Straits Settlements, by English Chemist, many years resident in the East; competent to handle any line of business; good connection; ready to start any moment; thorough knowledge of Oriental markets. Arrange interview, "Orient" (113/30), Office of this Paper.

Dose Tables for Students of Pharmacy.

NEW EDITION.

A TWENTY-EIGHT page booklet showing the adult doses in ordinary cases of the principal medicinal agents. The new Edition includes the doses in Imperial and Metric terms side by side; also contains Metric equivalents for Dispensing and a complete table of atomic weights, comprising the B.P. figures, and the International Committee's latest pronouncements (O=16 and H=1). The booklet measures 4¼ in. by 2¾ in., and can be carried in the vest pocket. To be obtained from "The Chemist and Druggist," 42 Cannon Street, London, E.C., for FOUR PENNY STAMPS PER COPY.

MISCELLANEOUS.

GREAT Bargains in Second-hand Fittings.—10-ft. Drug Fitting, 6-ft. Screen and Counter, 6-ft. Wall Case, 10-ft. Plate-glass Serving Counter, Desk and Case, Plate-glass Counter Case, £39 10s. Call or write, Philip Josephs, 93 Old Street, London, E.C. 'Phone London Wall 9057.

CHEMISTS' Shopfittings.—Silent Salesman, Showcases, Window-enclosures, Dispensing-screens, Drug-fittings, Walloases, Glass-front Counters, Counter Drawers, etc., at lowest prices; shop-soiled second-hand; 30 years fitting pharmacies; you will save time and money by sending your requirements to George Cook, The Chemists' Working Shopfitter, Catherine Street, City Road, Old Street, London.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

CHEMIST.—Complete set of modern Fittings; good second-hand; 12-ft. Drug Fitting, complete; 10-ft. Glass-fronted Counter; 6-ft. Dispensing Screen and Counter; Perfumery Case and Desk; 4-ft. Mahogany Bent Plate-glass Counter Case; 6-ft. Mahogany Wall Case; £43 10s. the lot; absolute bargain; cheapest house for Window Enclosures, Glass Shelves, modern Shop Fronts, improvements, etc.; designs, estimates free. MILLS, Shop Front, Shop Fitting, Glass Facia Works, 163-5 Old Street, London, E.C. 'Phone 550 London Wall.

BEST cash price paid for all old Cameras, any make, also all old Photo goods, no matter how damaged; any kind you may have send them along; cash will be sent same day; no waiting; we buy all and return nothing. S. E. Hackett, 23 July Road, Liverpool, E.

N.H.I.—Those back numbers are worth money to you. Have you tried my service? You send me your Prescriptions, Account Forms, and Tariff, and I return to you absolutely ready to forward to Committee. I have a competent staff. No order too small and none too large. F. H. Richards, Prescription Pricing Expert, 59 Dudden Hill Lane, Willesden, London.

CHEMIST wanted to advise by correspondence and occasional spare-time visits on the manufacture of Dental Composition, Wax, Plastic and Alloy Fillings, etc.; good remuneration. Write, Manager, Zirol Chemical Co., Balsall Berkswell, near Coventry.

BEST American paraffinum liquidum (excellent for emulsions), about 160 gallons only. Demuth's Laboratories, 68 Salusbury Road, Kilburn, N.W.

CARBOY Hampers.—Wanted, 3,000 to 4,000 iron or wicker carboy hampers, 10 to 12 gall.; prompt delivery in London. 133/40, Office of this Paper.

WAR WANTS EXCHANGE.

The object of this section is to facilitate the interchange of pharmaceutical products which are scarce at present owing to the War, and which the inquirers have failed to obtain through the customary business channels.

TERMS

Minimum charge (including registration fee) of 1/- for six words or less; 2d. per word beyond, prepaid. Inquiries are inserted with a registration number attached to each item, and replies will be communicated direct to the inquirers by the Information Department of "THE CHEMIST AND DRUGGIST."

WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

THE WAR WANTS EXCHANGE,

"The Chemist and Druggist," 42 Cannon Street, London, E.C.

Adalin tablets (117/20) Bromural tablets (117/20)

FOR DISPOSAL.

Bona-fide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—

Phenazonum, 8 oz., B.P. (A. & H.) (116/35)

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.
No advertisement inserted for less than 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

FOR DISPOSAL.

DRUGS AND CHEMICALS.

25 oz. cocaine hydrochloride for sale. "W." (114/32), Office of this Paper.

COCAINE hydroehlor., 16s. oz. or 5s. ¼ oz. Barnes, Chemist, Newton Abbot.

24-oz. bottles santal oil, 1s. 6d. oz. Simons, 9 West Derby Street, Liverpool.

½ lb. iodoform powder, 8s. 9d.; 1 lb. potass. iodid., 12s. 6d.; carriage paid. Adams, Oxford Street, Salford.

OPTICAL AND PHOTOGRAPHIC.

TELESCOPES.—London-made telescopes, 5 lenses in each; cases shop soiled, lenses in new condition; 16 in. (extended), 6s. 6d.; 16¼ in., 7s. 6d.; 17⅛ in. (1⅛ in. O.G.), 9s. 6d.; carriage 3d. extra; exceptional value. Camera, Adams' "De Luxe," 5 by 4, second-hand; hand or stand; T. and I. speeded shutter, 1 sec. to $\frac{1}{100}$ sec.; W.A. symmetrical lens (convertible to N.A.); Iris diaphragm; rack and pinion focussing on graduated scale, also on ground glass; double extension; lateral or vertical movement; contains Adams' patent changing box with 12 sheaths for plates or flat films; in perfect working order; cost £12 12s.; offered at £2 17s. 6d., carriage forward. Thorne, 20 Princes Street, Tunbridge Wells.

PROPRIETARY ARTICLES.

DAMSCHINSKY'S Hair Dye, 1s. 3d. and 2s. sizes, job lot, about a gross; no reasonable offer refused. Corcoran, Chemist, 76 Talbot Street, Dublin.

SHOP FITTINGS.

THREE gross 10-oz. oval blue ribbed bottles, suitable for disinfectants; sample 3d. Sharman, Northwood.

WANTED.

LEMON model for window; purchase or hire. "Chemist," 77 High Street, Bournbrook.

WANTED, quin. sulph., pot. iodid., pot. brom. Simons, 9 West Derby Street, Liverpool.

ANY quantity small collapsible tubes bought, printed or plain; also 2-, 3-, 4-oz. bottles. Dusart, Lewes.

WANTED, "Directory of Chemists." State price and date of issue, Wheeldon, Chemist, West Didsbury.

OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, London, S.W.

"C. & D." DICTIONARY SERIES.

THE CHEMIST'S DICTIONARY OF MEDICAL TERMS AND TREATMENT.—Contains over 280 pages. There is no medical dictionary so compact which gives so much up-to-date information. It goes straight to the point—which is what chemists most need when they have to answer medical questions asked by customers. Price 2s. 6d., by post, 2s. 8d.

THE CHEMIST'S DICTIONARY OF SYNONYMS AND TRADE NAMES.—Like "Pharmaceutical Formulas" this dictionary is a record of experience rather than a compilation of everything that has been called a synonym in books and papers. It is exceedingly useful. Contains 220 pages. Price 2s. 6d., by post, 2s. 8d.

PROVINCIAL HOSPITAL PHARMACOPŒIAS.—Comprising the formulas for medicinal preparations used in twenty-five hospitals and infirmaries in Great Britain. This begins with a formula for Application and ends with formulæ for Wines. It contains 295 pages. Price 2s. 6d., by post 2s. 8d.

Obtainable from the Offices of "THE C. & D.," 42 CANNON ST., LONDON, E.C.; or from any of the Wholesale Houses.

Wills.

IR. WALTER STEAD, chemist and druggist, Heckmondwike, o died on May 12, left estate valued at 1,222*l.* 10*s.* 8*d.* ss, with net personalty 935*l.* 2*s.* 2*d.*

IR. ERNEST PAUL, Ph.C., 96 Ravenshurst Road, Harborne, mingham, who died on April 23, left estate of the gross ue of 1,017*l.* 4*s.* 1*d.*, of which 968*l.* 12*s.* 3*d.* is net per-alty.

IR. JOHN HUDSPETH PEARSON, chemist and druggist, nlea, Fletton Avenue, Peterborough, who died on bruary 4, left estate valued at 1,728*l.* 8*s.* 7*d.* gross, with personalty nil.

IR. JOHN HARTLEY ADDINGLEY, Elm Grove, Tanshelf, ntefract, retired liquorice-cake manufacturer, who died June 17, 1914, left property of the gross value of 167*l.* 6*s.* 8*d.*, of which 3,591*l.* 11*s.* 10*d.* is net personalty.

IR. GEORGE ILIFFE, Ph.C., Nuneaton, who died on Decem-22 last, left estate of the gross value of 7,212*l.* 5*s.* 9*d.*, which 2,337*l.* 16*s.* 7*d.* is net personalty. Probate of his l has been granted to his daughter, Miss G. M. Iliffe, Mr. F. S. Clay, of Nuneaton, solicitor.

IR. WILLIAM HENRY THORPE, 11 Queen's Road, Tunbridge lls, and 21 Mincing Lane, London, E.C., who died on rch 22, left estate valued 3,796*l.* 11*s.* 4*d.* gross, with net sonalty 3,270*l.* 16*s.* 8*d.* Probate of his will has been nted to his brother, Mr. T. W. Thorpe, Albion Brewery, hitechapel Road, London, E., and the Rev. R. Marley, ve.

AJOR SIDNEY DAVIES SEWELL, T.D., 3rd London Field , 2nd London Divisional Engineers, Purbeck House, anage, Dorset, who was killed in action on February 18, personal estate of the net value of 5,672*l.* 5*s.* 10*d.* obate of his will has been granted to his sister, Miss S. D. Sewell, to whom he left all of his property solutely.

Australasian News.

"The Chemist and Druggist" is supplied weekly to all the members of nine Chemists' Societies in Australia and New Zealand.

The Commonwealth.

ASPIRIN TRADE-MARK.—The position of the trade-mark pirin in Australia is discussed in "The Chemist and uggist of Australasia," which points out that avoidance the United Kingdom does not affect the position in stralia, where the mark is also registered by the Farben-briken vormals Friederich Bayer.

New South Wales.

THE MINISTER OF PUBLIC HEALTH has issued a report, in ich he suggests the establishment of a State drug-ctory to supply all necessary preparations to Government stitutions and hospitals. Another reform which is out-ed is a scheme for supplying skilled surgeons for opera-ns at country hospitals, and another scheme deals with reform of advertisements regarding medicines.

New Zealand.

LYSOL TRADE-MARK.—The suspension of this mark is ght for in New Zealand by Mr. Reeves, the Australasian presentative of Pearson's Antiseptic Co., Ltd., London. . Reeves stated in evidence that the lysol formula was ented by Mr. Pearson and given by him to a German ofessor, who commercialised the product. Analyses of the arson product and that made by Chas. Zimmermann & . (Chemicals), Ltd., London, were placed before the gistrar, who intimated that he would make his report the Government at an early date.

Victoria.

GERMAN GOODS.—Goods ordered by Felton, Grimwade & ., Melbourne, before the war from August Sauter, irtemberg, Germany, have arrived in Melbourne by the *Annam* and s.s. *Syndic*, consigned by a firm residing Gothenburg, Sweden. The goods were refused, and the ize Court has made an order for condemnation.

INSECT-POWDER AS A PRIZE.—The thirty cases of insect-wder of German origin which arrived at Melbourne by s.s. *Rygja* on February 24, consigned to Mr. John agemann, were on March 29 condemned in the Prize urt at Melbourne. The insect-powder was sent by J. D. edel, Berlin, through a Norwegian firm, to Mr. Hage-nn who had not ordered it. The value of the prize is out 294*l.*

"Minor" Dispensing.

IN order that students may obtain an accurate idea as to what the practical pharmacy of the Minor examination is like, we have collected a number of typical prescriptions that have been given at the examinations in London and in Edinburgh during the last three years:

LONDON.

1.

Paraff. liq. pur. ... ʒij.
P. acaciæ ... ... ʒj.
P. tragacanth. ... ʒj.
Aq. cinnam. ad ... ℥vj. M.
Sumat ʒij. ter in die.

Potas. permang. ... gr. ij.
Ft. pil. Mitte xxiv. Varnish.

Acid. arsenios. ... gr. $\frac{1}{60}$
Strychninæ ... ... gr. $\frac{1}{60}$
Ferri carb. sacch. ... gr. x.
M. ft. cachet ij. Mitte x.
Sig.: ij. t.d.s.

Glycerin. amyl. gm. 99.
Ichthyol. ... ... 15 p.c.
Ol. olivæ ... ... ʒj.
Aq. calcis ... ... ʒj.
M. Ft. lin.

2.

Hydrarg. perchlor. ... gr.
Pulv. opii ... ... gr. $\frac{1}{6}$
M. ft. pil. parv. Mitte xviij.
Sig.: j. t.d.s.

Acid. tannic. ... ... gr. v.
Pulv. opii ... ... gr. j.
Ol. theobrom. ... q.s.
Ft. suppos. Mitte vj.
Sig.: M.d.u.

Hyd. ox. flav. ... gr. $\frac{1}{4}$
Paraffin. mollis ... ʒj.
M. ft. ung.

Ammon. carb. ... gr. v.
Ext. cinchonæ liq. ... ♏x.
Tinct. nucis vom. ... ♏v.
Syr. aurant. ... ... ʒj.
Infus. calumbæ ad ... ℥ss.
M. Mitte ℥vj.
Sig.: ℥ss. t.d.s. ex aq.

Lotio. hydrarg. nig. ʒx.
Sig.: To be used as directed.

3.

Make 200 c.c. of syr. ferri iodid. and take its specific gravity.
Suppos. plumbi co., B.P. Mitte vj.
Sig.: M.d.u.

Ol. ricini ... ... ʒviij.
Mucilag. ... ... ʒss.
Tinct. opii ... ... ℥ss.
Aq. menth. pip. ad ... ℥iv. M.
Sig.: Half to be taken immediately and the rest if necessary.

Caffein. cit. ... ... gr. 40
Tinct. nucis vom. ... ♏ 40
Infus. digitalis ... ʒij.
Aq. chlorof. ad ... ℥iv.
M. ft. mist.
Sig.: ℥ss. t.d.s.

Hyd. iodid. rub. ... gr. $\frac{1}{4}$
Div. in pil. xxiv.
Sig.: One t.d.s.

EDINBURGH.

1.

Ferri sulph. ... ... gr. ij.
Hyd. c. cretâ ... ... gr. j.
Ft. pil. Mitte xxiv.
Sig.: One thrice daily.

Make 4 fl. oz. mist. ammoniaci, B.P.

Tinct. cannabis indicæ ʒiv.
Spt. chloroformi ... ʒij.
Aq. menth. pip. ad ℥iss.
M. ft. mist.
Sig.: ʒj. t.i.d. p.c. ex aq.

Amyli ... ... 20 parts
Acid. salicylic. ... 2.5 parts
Acid. boric. ... ... 10 parts
Talc. ad ... 100 parts. M.
Sig.: The dusting-powder.

Make a convenient quantity of liq. ferri pernitratis, B.P.

2.

Make 4 fl. oz. liq. arsenici hyd.

Pil. ferri ... ... gr. v.
Arsenic. ... ... gr. $\frac{1}{250}$
Ft. pil. Mitte 24.
Sig.: The pills.

Bismuth. carb. ... gr. v.
Menthol. ... ... gr. $\frac{1}{10}$
Ft. pulv. Mitte ix.
Sig.: The powders.

Lot. acid. boric. 1-per-cent. ... ... 100 parts
Amyli ... ... 100 parts
Talc. ... ... 100 parts
Glycerin. ... ... 40 parts
Aq. camph. ... ... 200 parts
Ft. pigment.
Sig.: To be applied as directed.

Ferri sulph. ... ... gr. v.
Quinin. sulph. ... gr. xv.
Acid. sulph. dil. ... ℥ss.
Aq. menth. pip. ad ... ℥viij.
M. ft mist.
Sig.: ℥ss. t.d.s. p.c.

3.

Pulv. opii ... ... gr. $\frac{1}{2}$
Ext. hyoscyami ... gr. $\frac{1}{4}$
M. ft. pil. Mitte tales xij. Silver.
Sig.: One at night.

Make six glycerin suppositories (ʒj.).

Hyoscin hydrobrom. gr. $\frac{1}{6}$
Ammon. brom. ... ʒij.
Aq. ad ... ... ℥iv.
M. ft. mist.
Sig.: ʒij. t.d.s. ex aq.

Mag. carb. levis ... ʒij.
Tereben. ... ... ʒiv.
Aq. ad ... ... ℥vj. M.
Sig.: For inhalation. Use as directed.

Chrysarobin. ... ... ℥ss.
Paraffin. moll. ad ... ʒij.
Sig.: As directed.

PURE SCIENTIFIC RESEARCH-WORK, carried out in the laboratory, is the soul of industrial prosperity.—*Professor A. W. Crossley.*

"MINOR EXPERIENCES."—Gives over fifty candidates' descriptions of the Minor examination as conducted by the Boards of Examiners in London and Edinburgh, prefaced by the official syllabus and other useful information. Indispensable to all chemists' apprentices and assistants who have not qualified, as it is the only book giving the questions and work of the examination. Contains 116 pages. Price 2*s.* 6*d.*, by post 2*s.* 8*d.*, from the *C. & D.* Book Department, 42 Cannon Street, London, E.C., or leading wholesale houses.

A New "C. & D." Book.

"CHEMISTS' WINDOWS," an illustrated treatise on the art of displaying pharmaceutical and allied goods in chemists' shop-windows, with chapters on ticket-writing, the mechanics of moving devices, and business-promoting accessories. Size 7 in. by 4½ in., and containing nearly 200 illustrations in 218 pages of text. Published at the offices of THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C., at 3*s*. 6*d*., by post 3*s*. 9*d*.; also from wholesale houses (see below).

TRADE OPINIONS.

"'Chemists' Windows' is the best book of the kind to give the necessary assistance that has yet been published. It touches every phase of business-building by means of the window."—*A. Mortimer* (Harrogate).

"We have glanced through 'Chemists' Windows,' and can easily see that if any chemist chooses to act upon some of the ideas mentioned in it he will recover the price of the book in a day."—*Hall, Forster & Co., Ltd.* (Newcastle-on-Tyne).

"Full of interest and instruction (which can be turned to a profitable account by the wideawake chemist), and contains many ideas which the expert dresser can make into further window-shows."—*H. A. Martin* (Leicester).

"In publishing 'Chemists' Windows' you have rendered a service to pharmacy. The book caters for all classes of the trade, and should be carefully studied by every apprentice, assistant, and master, for nowadays in the eyes of the public the window is the soul of the business."—*John H. Robinson* (Liverpool).

"One of your best books. The photos are marvellous. An education in business. Shows the fearsome ingenuity of the chemist tribe. Even where the chemist is not a superfluous trader, the cultivating of ingenuity in business is all to the good. My assistants are reading it like a novel."—*Jay Mack*. Miss Lily Kinnerley, one of his staff, adds: "I do the windows here, and your book will provide me with ideas for years. Nine windows, big show, little staff, take some doing: and, though I have been in business fifteen years, I have only been one year at the drug-trade."

The following firms supply "Chemists' Windows" at the published price. Include a copy in your next order:

Ayrton, Saunders & Co., Ltd., Liverpool.
Barclay & Sons, Ltd., Farringdon Street, E.C.
Bleasdale, Ltd., York.
British Drug Houses, Ltd., Graham Street, City Road, N.
Bryce, Wm., 54 Lothian Street, Edinburgh.
Butler & Crispe, 82 Clerkenwell Road, E.C.
Edwards, W., & Son, 157 Queen Victoria Street, E.C.
Evans, Gadd & Co., Ltd., Exeter and Bristol.
Evans Sons Lescher & Webb, Ltd., London.
Evans Sons Lescher & Webb, Ltd., Liverpool.
Glasgow Apothecaries' Co., 32 Virginia Street, Glasgow.
Gower, John, 41 Voltaire Road, Clapham, S.W.
Hall, Forster & Co., Newcastle-on-Tyne.
Hatrick, W. & R., & Co., 158 Renfield Street, Glasgow.
Hirst, Brooke & Hirst, Ltd., Leeds.
Holmes, W. & R., 3 Dunlop Street, Glasgow.
Hovenden, R., & Sons, Berners Street, Oxford Street, W.
Ismay, John, & Sons, City Road, Newcastle-on-Tyne.
Kimpton, Henry, 263 High Holborn, W.C.
Maw, S., Son & Sons, 7-12 Aldersgate Street, E.C.
May, Roberts & Co., Ltd., 7-11 Clerkenwell Road, E.C.
Newbery, F., & Sons, Ltd., 27 Charterhouse Square, E.C.
Osborne, Garrett & Co., Frith Street, Soho, W.
Pinkerton, Gibson & Co., Edinburgh.
Potter & Clarke, Ltd., 60 Artillery Lane, E.C.
Raimes, Clark & Co., Ltd., Edinburgh.
Raimes & Co., Ltd., York.
Sangers, 258 Euston Road, N.W.
Simpkin, Marshall & Co., Ltd., Stationers' Hall Court.
Southall Bros. & Barclay, Ltd., Birmingham.
Thompson, John, Ltd., Hanover Street, Liverpool.
United Chemists' Association, Ltd., Cheltenham.
Wilkinson & Simpson, Ltd., Newcastle-on-Tyne.
Woolley, James, Sons & Co., Ltd., Manchester.
Wright, Layman & Umney, Ltd., Southwark Street, S.E.

BORIC ACID may produce eczema if used too freely on open skin-wounds, states Dr. J. C. McWalter in the "British Medical Journal" (I., 1915, p. 1003). He gives particulars of a case where almost universal eczema was traced to this cause.

Austrian News.

GALICIAN PHARMACISTS who were obliged to fly from their country have now been officially advised to return, as the greater part of that country is no longer in the hands of the Russians.

A DECREE of the Ministers of Finance and Commerce and Agriculture of Austria-Hungary indicates that no import-duty will provisionally be raised on imported fats and fixed oils.

TALC.—The "Verband der Talcum-Interessente" of Vienna has published an elaborate report about business in 1914. The endeavours made in order to extend the use of talc are meeting with success, especially in the manufacture of paper and as an ingredient in egg-preservative. It is also being used as a substitute for potato-flour and dextrin in the soap and textile industries.

SUBSTITUTES FOR FOREIGN PATENT MEDICINES.—The Wiener Apotheker Gremium (Austria) has elaborated formulæ for a large number of proprietary medicines and trade-mark articles of foreign origin, and has had special packages made for these substitutes. The formulæ and packages are supplied to pharmacists on application, together with information as to where the ingredients can be obtained, the cost of production, and the selling-price. Among the seventy-three articles on the list are several of German origin, which in this respect are treated in the same manner as British and French goods. The Wiener Apotheker Gremium has even published formulæ for artificial mineral waters, although many mineral springs occur in Austria and Hungary.

PROHIBITION OF IMPORT into Austria of proprietary medicines from hostile countries has been demanded by the representatives of the Austrian Pharmaceutical Societies ever since the beginning of the war, and on March 9 a meeting of representatives of various branches of industry, under the auspices of the "Allgemeiner Oesterreichister Apotheker Verein," was held to discuss the measures that should be taken to render Austria-Hungary as far as possible independent of foreign patent medicines. The meeting decided that the "Allgemeiner Oesterreichister Apotheker Verein" should draw up a list of proprietary medicines of enemy origin which can be made in Austria and for the manufacture of which the raw material is available in sufficient quantities, and that a deputation of representatives of the parties concerned should request the Ministers of the Home Department and of Commerce that the importation and sale of such medicines be prohibited. The movement was taken up by other trade associations—*e.g.*, wine-merchants, soap-makers, and manufacturers of essential oils and of toilet-preparations. As a result, the Ministers of Finance and of Commerce and Agriculture issued on May 14 a decree prohibiting the importation from hostile countries of spirits, wines, vinegar, perfumed fats and oils, alcoholic aromatic essences, perfumes, cosmetics, and toilet-soaps. In a memorial to the Ministers of Finance and of the Home Department, the "Allgemeiner Oesterreichister Apotheker Verein" has endeavoured to secure the inclusion in the list of pharmaceutical patent and trade-mark articles, but this request has not been acceded to. The Council of the Apotheker Verein continues its representations.

Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Wednesday, June 23.

Fairchild Scholarship and Prizes Examination is to be held at the following centres: *London*, City of London College, White Street, Moorfields, E.C. (near Moorgate Station); *Manchester*, Municipal School of Technology, Room No. C2, Sackville Street (off Whitworth Street); *Edinburgh*, Pharmaceutical Society's Hall, 36 York Place; *Cardiff*, 73 Newport Road. Candidates must be in their places not later than 10.45 A.M. Hours: Morning, 11 to 1.30; afternoon, 3 to 5.30.

THERE is no instrument known to surgery, no artifice known to the healing art, which will extract so much blood with so little pain, so minute a wound, or so little real danger, as the leech. The measure of the leech's blood-letting powers is the entire amount of blood which will flow after its application, and this is measured by ounces.—*Dr. J. C. McWalter.*

Printed for the Proprietors by SPOTTISWOODE & CO., LTD., New-street Square, and Published by the Proprietor, at 42 Cannon Street, in the City of London.—*June* 19, 1915. [68]

THE WIGGLESWORTH WAY.

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PER PACKET.

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Health Salt.

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THE certainty of quick sales, allied with the possibility of a further rise in prices, makes Health Salt a very attractive purchase just now. High quality Salts in tins of striking design.

	Per dozen.
4 oz. Decorated Tins .. .. ("True" or "Phœnix")	3/4
4 oz. Decorated Tins .. .. ("Peacock," "Red Sun" or "Blue Shield" Brand)	3/-

Special terms quoted for contracts of 25 gross and upwards.

Effervescent Saline
in stoppered 8 oz. Cheltenhams, wrapped, 8/- doz.
Having unique facilities for the manufacture of Seidlitz Powders, Seltzogene Charges, Lemon Kali, and Effervescing Citrate of Magnesia, we invite your enquiries for those lines.
GOODALL, BACKHOUSE & CO. LEEDS.

ICE CREAM POWDER.

Ice Cream Powder, various flavours, 3d. pks. 24/- gross.
14 or 28 lb. free tins at 56/- cwt.

Printed for the Proprietors by SPOTTISWOODE & CO., LTD., 5 New-street Square; and Published by the Proprietors at 42 Cannon Street, in the City of London.—*June* 19, 1915.